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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	40	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	41	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	42	Feb 13	CANCERLIT is no longer being updated
NEWS	43	Feb 24	METADEX enhancements
NEWS	44	Feb 24	PCTGEN now available on STN
NEWS	45	Feb 24	TEMA now available on STN
NEWS	46	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	47	Feb 26	PCTFULL now contains images

NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003  
NEWS 50 Mar 20 EVENTLINE will be removed from STN  
NEWS 51 Mar 24 PATDPAFULL now available on STN  
NEWS 52 Mar 24 Additional information for trade-named substances without  
structures available in REGISTRY  
NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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FILE 'HOME' ENTERED AT 13:28:39 ON 26 MAR 2003

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COST IN U.S. DOLLARS

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FILE 'MEDLINE' ENTERED AT 13:28:45 ON 26 MAR 2003

FILE 'CAPLUS' ENTERED AT 13:28:45 ON 26 MAR 2003

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FILE 'USPATFULL' ENTERED AT 13:28:45 ON 26 MAR 2003

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=> s microcapsul?

L1 32716 MICROCAPSUL?

=> s l1 and (cell(w)aggreg?)

L2 167 L1 AND (CELL(W) AGGREG?)

=> s l2 and crosslink?

L3 105 L2 AND CROSSLINK?

<C

10/029,582

Page 3

=> s l3 and core?

L4 66 L3 AND CORE?

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 66 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 66 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:79288 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
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Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
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Kiljavin, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Turner, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

## PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003055216	A1	20030320
APPLICATION INFO.:	US 2001-978824	A1	20011017 (3)
RELATED APPL. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US 6391311 Continuation of		
Ser.	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED		
Nov	Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708 Continuation of		
Mar	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		
Ser.			
Pat.			

L5 ANSWER 1 OF 66 USPATFULL (Continued)

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L5 ANSWER 1 OF 66 USPATFULL (Continued)  
No. US 6455283 Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
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	WO 1999-US106	19990105
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L5 ANSWER 1 OF 66 USPATFULL (Continued)

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US 1999-139557P 19990616 (60)

L5 ANSWER 1 OF 66 USPATFULL (Continued)  
 US 1999-141037P 19990623 (60)  
 US 1999-142680P 19990707 (60)  
 US 1999-145698P 19990726 (60)  
 US 1999-146222P 19990728 (60)  
 US 1999-162506P 19991029 (60)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,  
 201 California Street, Suite 1150, San Francisco, CA,  
 94111  
 NUMBER OF CLAIMS: 57  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 237 Drawing Page(s)  
 LINE COUNT: 21577  
 AB The present invention is directed to novel polypeptides and to nucleic  
 acid molecules encoding those polypeptides. Also provided herein are  
 vectors and host cells comprising those nucleic acid sequences,  
 chimeric  
 polypeptide molecules comprising the polypeptides of the present  
 invention fused to heterologous polypeptide sequences, antibodies which  
 bind to the polypeptides of the present invention and to methods for  
 producing the polypeptides of the present invention.

L5 ANSWER 2 OF 66 USPATFULL  
 ACCESSION NUMBER: 2003:79061 USPATFULL  
 TITLE: Secreted and transmembrane polypeptides and nucleic  
 acids encoding the same  
 INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES  
 Deanoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Burlingame, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED  
 STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Hillen, Kenneth J., San Francisco, CA, UNITED STATES  
 Klysavin, Ivar J., Lafayette, CA, UNITED STATES  
 Kuo, Sophia S., San Francisco, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Pooni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Shelton, David L., Oakland, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumbas, Daniel, Orinda, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William L., Hillsborough, CA, UNITED STATES  
 GENENTECH, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003054986	A1	20030320
APPLICATION INFO.:	US 2001-981915	A1	20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17		
Mar	1998, GRANTED, Pat. No. US 6391311 Continuation of		
Ser.	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7		
Nov	1998, ABANDONED Continuation of Ser. No. US		
	1998-184216, filed on 2 Nov 1998, ABANDONED		
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Mar	1998, PENDING Continuation of Ser. No. US 1998-202054,		
Ser.	filed on 7 Dec 1998, PENDING Continuation of Ser. No.		
	US 1998-218517, filed on 22 Dec 1998, ABANDONED		
Pat.	Continuation of Ser. No. US 1999-254465, filed on 5		
	1999, GRANTED, Pat. No. US 6410708 Continuation of		
	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		

L5 ANSWER 2 OF 66 USPATFULL (Continued)  
 No. US 6455283 Continuation of Ser. No. US  
 1999-267213,  
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.  
 No. US 1999-284291, filed on 12 Apr 1999, ABANDONED  
 Continuation of Ser. No. US 1999-311832, filed on 14  
 May 1999, PENDING Continuation of Ser. No. US 380137,  
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 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US  
 1999-380142, filed on 25 Aug 1999, ABANDONED  
 Continuation of Ser. No. US 2000-709238, filed on 8  
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 2000, ABANDONED Continuation of Ser. No. US  
 2000-723749, filed on 27 Nov 2000, PENDING  
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 of Ser. No. US 2000-747259, filed on 20 Dec 2000,  
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 Continuation of Ser. No. US 2001-874503, filed on 5  
 2001, PENDING Continuation of Ser. No. US 2001-882636,  
 filed on 14 Jun 2001, ABANDONED Continuation of Ser.  
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED  
 Continuation of Ser. No. US 2001-918585, filed on 30  
 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
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L5 ANSWER 2 OF 66 USPATFULL (Continued)  
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L5 ANSWER 2 OF 66 USPATFULL (Continued)

US 1998-83336P 19980427 (60)  
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 US 1998-94651P 19980730 (60)  
 US 1998-100038P 19980911 (60)  
 US 1998-109304P 19981120 (60)  
 US 1998-113296P 19981222 (60)  
 US 1998-113621P 19981223 (60)  
 US 1999-123957P 19990312 (60)  
 US 1999-126773P 19990329 (60)  
 US 1999-130232P 19990421 (60)  
 US 1999-131022P 19990426 (60)  
 US 1999-131445P 19990428 (60)  
 US 1999-134287P 19990514 (60)  
 US 1999-139557P 19990616 (60)

L5 ANSWER 3 OF 66 USPATFULL

ACCESSION NUMBER:

TITLE:

INVENTOR(S):

PATENT ASSIGNEE(S):

PATENT INFORMATION:

APPLICATION INFO.:

RELATED APPLN. INFO.:

Mar

Ser.

Oct

Nov

Mar

Ser.

Pat.

1999-267213,

2003-78485 USPATFULL  
 Secreted and transmembrane polypeptides and nucleic acids encoding the same  
 Aehkenazi, Avi, San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES  
 Deansoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Burlingame, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
 Klyavin, Ivar J., Lafayette, CA, UNITED STATES  
 Kuo, Sophia S., San Francisco, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Shelton, David L., Oakland, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William L., Hillsborough, CA, UNITED STATES  
 Genentech, Inc. (U.S. corporation)  
 NUMBER KIND DATE  
 US 2003054405 A1 20030320  
 US 2001-999833 A1 20011024 (9)  
 Continuation of Ser. No. US 1998-40220, filed on 17  
 1998, GRANTED, Pat. No. US 6391311 Continuation of  
 No. US 1998-105413, filed on 26 Jun 1998, ABANDONED  
 Continuation of Ser. No. US 1998-168978, filed on 7  
 1998, ABANDONED Continuation of Ser. No. US  
 1998-184216, filed on 2 Nov 1998, ABANDONED  
 Continuation of Ser. No. US 1998-187368, filed on 6  
 1998, PENDING Continuation of Ser. No. US 1998-202054,  
 filed on 7 Dec 1998, PENDING Continuation of Ser. No.  
 US 1998-218517, filed on 22 Dec 1998, ABANDONED  
 Continuation of Ser. No. US 1999-254465, filed on 5  
 1999, GRANTED, Pat. No. US 6410708 Continuation of  
 No. US 1999-265686, filed on 10 Mar 1999, GRANTED,  
 No. US 6455283 Continuation of Ser. No. US  
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.

L5 ANSWER 2 OF 66 USPATFULL (Continued)

US 1999-141037P 19990623 (60)  
 US 1999-142680P 19990707 (60)  
 US 1999-145698P 19990726 (60)  
 US 1999-146222P 19990728 (60)  
 US 1999-162506P 19991029 (60)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET,  
 FOURTEENTH FLOOR, IRVINE, CA, 92614  
 NUMBER OF CLAIMS: 57  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 237 Drawing Page(s)  
 LINE COUNT: 21827  
 AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 3 OF 66 USPATFULL (Continued)

No. US 1999-284291, filed on 12 Apr 1999, ABANDONED  
 Continuation of Ser. No. US 1999-311832, filed on 14  
 May 1999, PENDING Continuation of Ser. No. US 380137,  
 PENDING Continuation of Ser. No. US 1999-380138, filed  
 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US  
 1999-380142, filed on 25 Aug 1999, ABANDONED  
 Continuation of Ser. No. US 2000-709238, filed on 8  
 2000, ABANDONED Continuation of Ser. No. US  
 2000-723749, filed on 27 Nov 2000, PENDING  
 of Ser. No. US 2000-747259, filed on 20 Dec 2000,  
 PENDING Continuation of Ser. No. US 2001-816744, filed  
 on 22 Mar 2001, PENDING Continuation of Ser. No. US  
 2001-816920, filed on 22 Mar 2001, PENDING  
 of Ser. No. US 2001-854280, filed on 10 May 2001,  
 PENDING Continuation of Ser. No. US 2001-854208, filed  
 on 10 May 2001, PENDING Continuation of Ser. No. US  
 2001-872035, filed on 1 Jun 2001, ABANDONED  
 Continuation of Ser. No. US 2001-874503, filed on 5  
 2001, PENDING Continuation of Ser. No. US 2001-882636,  
 filed on 14 Jun 2001, ABANDONED Continuation of Ser.  
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED  
 Continuation of Ser. No. US 2001-918585, filed on 30  
 Jul 2001, PENDING  
 NUMBER DATE  
 WO 1998-US21141 19981007  
 WO 1998-US24855 19981120  
 WO 1999-US106 19990105  
 WO 1999-US5028 19990308  
 WO 1999-US5190 19990310  
 WO 1999-US10731 19990514  
 WO 1999-US12252 19990602  
 WO 1999-US28313 19991130  
 WO 1999-US28551 19991202  
 WO 1999-US28565 19991202  
 WO 1999-US30095 19991216  
 WO 1999-US31243 19991230  
 WO 1999-US31274 19991230  
 WO 2000-US219 20000105  
 WO 2000-US277 20000106  
 WO 2000-US376 20000106  
 WO 2000-US3565 20000211  
 WO 2000-US4341 20000218  
 WO 2000-US5841 20000302  
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 WO 2000-US5004 20000424  
 WO 2000-US6319 20000310  
 WO 2000-US8439 20000330  
 WO 2000-US13705 20000517  
 WO 2000-US14042 20000522  
 WO 2000-US14941 20000530  
 WO 2000-US15264 20000602  
 WO 2000-US20710 20000728  
 WO 2000-US23328 20000824  
 WO 2000-US32678 20001201

LS ANSWER 3 OF 66 USPATFULL (Continued)

WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
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US 1998-82804P	19980422 (60)
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US 1998-82797P	19980422 (60)

LS ANSWER 3 OF 66 USPATFULL (Continued)

US 1999-13957P	19990616 (60)
US 1999-141037P	19990623 (60)
US 1999-142680P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,  
620 Newport Center Drive, Sixteenth Floor, Newport  
Beach, CA, 92660

NUMBER OF CLAIMS: 57

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21659

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 3 OF 66 USPATFULL (Continued)

US 1998-82796P	19980423 (60)
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US 1998-83322P	19980428 (60)
US 1998-83392P	19980429 (60)
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US 1998-83545P	19980429 (60)
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US 1998-113621P	19981223 (60)
US 1999-123957P	19990312 (60)
US 1999-126773P	19990329 (60)
US 1999-130232P	19990421 (60)
US 1999-131022P	19990426 (60)
US 1999-131445P	19990428 (60)
US 1999-134287P	19990514 (60)

LS ANSWER 4 OF 66 USPATFULL

ACCESSION NUMBER: 2003:71954 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumbar, Daniel, Okinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2000050241	A1	20030313
APPLICATION INFO:	US 2001-978564	A1	20011016 (9)
RELATED APPLN. INFO:	Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218

LS ANSWER 4 OF 66 USPATTFULL (Continued)

WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000324
WO 2000-US6119	20000330
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-6250P	19971017 (60)
US 1997-64249P	19971103 (60)
US 1997-65311P	19971113 (60)
US 1997-66364P	19971121 (60)
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LS ANSWER 4 OF 66 USPATTFULL (Continued)

US 1998-91359P	19980701 (60)
US 1998-94651P	19980730 (60)
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US 1999-139557P	19990616 (60)
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US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 237 Drawing Page(s)  
LINE COUNT: 21202

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 4 OF 66 USPATTFULL (Continued)

US 1998-81229P	19980409 (60)
US 1998-81955P	19980415 (60)
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US 1998-90863P	19980626 (60)

LS ANSWER 5 OF 66 USPATTFULL

ACCESSION NUMBER: 2003-71953 USPATTFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Deanoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas P., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tunas, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William L., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050240	A1	20030313
APPLICATION INFO.:	US 2001-978403	A1	20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218



L5 ANSWER 5 OF 66 USPATFULL (Continued)

WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10733	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620

L5 ANSWER 5 OF 66 USPATFULL (Continued)

WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-62250P	19971017 (60)
US 1997-64249P	19971103 (60)
US 1997-65311P	19971113 (60)
US 1997-66364P	19971121 (60)
US 1998-77450P	19980310 (60)
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US 1998-77641P	19980311 (60)
US 1998-77649P	19980311 (60)
US 1998-77791P	19980312 (60)
US 1998-78004P	19980313 (60)
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US 1998-79786P	19980327 (60)
US 1998-79920P	19980330 (60)
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US 1998-80165P	19980331 (60)
US 1998-80194P	19980331 (60)
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US 1998-82568P	19980421 (60)
US 1998-82569P	19980421 (60)
US 1998-82704P	19980422 (60)
US 1998-82804P	19980422 (60)
US 1998-82700P	19980422 (60)
US 1998-82797P	19980422 (60)
US 1998-82796P	19980423 (60)
US 1998-83336P	19980427 (60)
US 1998-83322P	19980428 (60)
US 1998-83392P	19980429 (60)
US 1998-83495P	19980429 (60)
US 1998-83496P	19980429 (60)

L5 ANSWER 5 OF 66 USPATFULL (Continued)

US 1998-83499P	19980429 (60)
US 1998-83545P	19980429 (60)
US 1998-83554P	19980429 (60)
US 1998-83558P	19980429 (60)
US 1998-83559P	19980429 (60)
US 1998-83500P	19980429 (60)
US 1998-83742P	19980430 (60)
US 1998-84366P	19980505 (60)
US 1998-84414P	19980506 (60)
US 1998-84441P	19980506 (60)
US 1998-84637P	19980507 (60)
US 1998-84639P	19980507 (60)
US 1998-84640P	19980507 (60)
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US 1998-86486P	19980522 (60)
US 1998-86414P	19980522 (60)
US 1998-87208P	19980528 (60)
US 1998-87106P	19980528 (60)
US 1998-87098P	19980528 (60)
US 1998-91010P	19980626 (60)
US 1998-90863P	19980626 (60)
US 1998-91359P	19980701 (60)
US 1998-94651P	19980730 (60)
US 1998-100038P	19980911 (60)
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US 1998-113296P	19981222 (60)
US 1998-113621P	19981223 (60)
US 1999-123957P	19990312 (60)
US 1999-126773P	19990329 (60)
US 1999-130232P	19990421 (60)
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US 1999-131445P	19990428 (60)
US 1999-134287P	19990514 (60)
US 1999-139557P	19990616 (60)
US 1999-141037P	19990623 (60)
US 1999-142680P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

L5 ANSWER 5 OF 66 USPATFULL (Continued)

NUMBER OF CLAIMS:	94111
EXEMPLARY CLAIM:	57
NUMBER OF DRAWINGS:	1
LINE COUNT:	21872

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 6 OF 66 USPATFULL  
ACCESSION NUMBER: 2001:71952 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Aashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, CA, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillak, Kenneth J., San Francisco, CA, UNITED STATES  
Kijavits, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Turner, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

## PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050239	A1	20030313
APPLICATION INFO.:	US 2001-978191	A1	20011015 (9)
RELATED APPL. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17 Mar		
Ser.	1998, GRANTED, Pat. No. US 6391311 Continuation of No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7 1998, ABANDONED Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED		
Nov	Continuation of Ser. No. US 1998-187368, filed on 6 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED		
Mar	Continuation of Ser. No. US 1999-254465, filed on 5 1999, GRANTED, Pat. No. US 6410708 Continuation of		
Ser.	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		
Pat.			

## L5 ANSWER 6 OF 66 USPATFULL (Continued)

WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
WO 2000-US20710 20000728  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US5520 20010228  
WO 2001-US9552 20010322  
WO 2001-US17092 20010525  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-62250P 19971017 (60)  
US 1997-64249P 19971103 (60)  
US 1997-65311P 19971113 (60)  
US 1997-66364P 19971121 (60)  
US 1998-77450P 19980310 (60)  
US 1998-77632P 19980311 (60)  
US 1998-77641P 19980311 (60)  
US 1998-77649P 19980311 (60)  
US 1998-77791P 19980312 (60)  
US 1998-78004P 19980313 (60)  
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US 1998-78939P 19980320 (60)  
US 1998-79294P 19980325 (60)  
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US 1998-80194P 19980331 (60)  
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US 1998-80334P 19980401 (60)  
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US 1998-81071P 19980408 (60)  
US 1998-81195P 19980409 (60)  
US 1998-81203P 19980409 (60)  
US 1998-81229P 19980409 (60)  
US 1998-81955P 19980415 (60)  
US 1998-81817P 19980415 (60)  
US 1998-81819P 19980415 (60)  
US 1998-81952P 19980415 (60)  
US 1998-81838P 19980415 (60)  
US 1998-82568P 19980421 (60)  
US 1998-82569P 19980421 (60)  
US 1998-82704P 19980422 (60)

L5 ANSWER 6 OF 66 USPATFULL (Continued)  
No. US 6455283 Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12542	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000224
	WO 2000-US6319	20000310
	WO 2000-US8439	20000330

## L5 ANSWER 6 OF 66 USPATFULL (Continued)

US 1998-82804P 19980422 (60)  
US 1998-82700P 19980422 (60)  
US 1998-82797P 19980422 (60)  
US 1998-82796P 19980423 (60)  
US 1998-83336P 19980427 (60)  
US 1998-83322P 19980428 (60)  
US 1998-83392P 19980429 (60)  
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US 1998-83545P 19980429 (60)  
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US 1999-130232P 19990421 (60)  
US 1999-131022P 19990426 (60)  
US 1999-131445P 19990428 (60)  
US 1999-134287P 19990514 (60)  
US 1999-139557P 19990616 (60)

L5 ANSWER 6 OF 66 USPATFULL (Continued)  
US 1999-141037P 19990623 (60)  
US 1999-142680P 19990707 (60)  
US 1999-145698P 19990726 (60)  
US 1999-146222P 19990728 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,  
620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT  
BEACH, CA, 92660  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 237 Drawing Page(s)  
LINE COUNT: 15094  
AB The present invention is directed to novel polypeptides and to nucleic  
acid molecules encoding those polypeptides. Also provided herein are  
vectors and host cells comprising those nucleic acid sequences,  
chimeric polypeptide molecules comprising the polypeptides of the present  
invention fused to heterologous polypeptide sequences, antibodies which  
bind to the polypeptides of the present invention and to methods for  
producing the polypeptides of the present invention.

L5 ANSWER 7 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:71449 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic  
acids encoding the same  
INVENTOR(S): Deanyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)  
PATENT ASSIGNEE(S):  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003049734 A1 20030313  
APPLICATION INFO.: US 2001-36150 A1 20011226 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16  
Aug 2001, PENDING

PRIORITY INFORMATION:  
NUMBER DATE  
WO 1999-US10733 19990514  
WO 1999-US28551 19991202  
WO 1999-US10720 19991222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US14042 20000522  
WO 2000-US15264 20000602  
WO 2000-US23522 20000823  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1998-85579P 19980515 (60)  
US 1998-112514P 19981215 (60)  
US 1998-113300P 19981222 (60)  
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US 1999-125778P 19990323 (60)  
US 1999-125826P 19990324 (60)  
US 1999-127035P 19990331 (60)  
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US 1999-129122P 19990413 (60)  
US 1999-130359P 19990421 (60)

L5 ANSWER 7 OF 66 USPATFULL (Continued)  
US 1999-131270P 19990427 (60)  
US 1999-131272P 19990427 (60)  
US 1999-131291P 19990427 (60)  
US 1999-132371P 19990504 (60)  
US 1999-132379P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite  
1150, 201 California Street, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 46 Drawing Page(s)  
LINE COUNT: 11519  
AB The present invention is directed to novel polypeptides and to nucleic  
acid molecules encoding those polypeptides. Also provided herein are  
vectors and host cells comprising those nucleic acid sequences,  
chimeric polypeptide molecules comprising the polypeptides of the present  
invention fused to heterologous polypeptide sequences, antibodies which  
bind to the polypeptides of the present invention and to methods for  
producing the polypeptides of the present invention.

L5 ANSWER 8 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:71399 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic  
acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Deanyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED  
STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)  
PATENT ASSIGNEE(S):  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003049684 A1 20030313  
APPLICATION INFO.: US 2001-17081 A1 20011024 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-918585, filed on 30  
Jul 2001, PENDING Continuation of Ser. No. US  
1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US  
6391311 Continuation of Ser. No. US 1998-105413, filed  
on 26 Jun 1998, ABANDONED Continuation of Ser. No. US  
1998-168978, filed on 7 Oct 1998, ABANDONED  
Continuation of Ser. No. US 1998-184216, filed on 2  
Nov 1998, ABANDONED Continuation of Ser. No. US  
1998-187368, filed on 6 Nov 1998, PENDING Continuation  
of Ser. No. US 1998-202054, filed on 7 Dec 1998,  
PENDING Continuation of Ser. No. US 1998-218517, filed  
on 22 Dec 1998, ABANDONED Continuation of Ser. No. US  
1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US  
6410708 Continuation of Ser. No. US 1999-265686, filed  
on 10 Mar 1999, GRANTED, Pat. No. US 6455283  
Continuation of Ser. No. US 1999-267213, filed on 12  
Mar 1999, ABANDONED Continuation of Ser. No. US  
1999-284291, filed on 12 Apr 1999, ABANDONED  
Continuation of Ser. No. US 1999-311832, filed on 14  
May 1999, PENDING Continuation of Ser. No. US 380137,  
PENDING Continuation of Ser. No. US 1999-380138, filed  
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US

L5 ANSWER 8 OF 66 USPATFULL (Continued)  
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Nov  
2000, ABANDONED Continuation of Ser. No. US  
2000-723749, filed on 27 Nov 2000, PENDING  
Continuation  
of Ser. No. US 2000-747259, filed on 20 Dec 2000,  
PENDING Continuation of Ser. No. US 2001-816744, filed  
on 22 Mar 2001, PENDING Continuation of Ser. No. US  
2001-816920, filed on 22 Mar 2001, PENDING  
Continuation  
of Ser. No. US 2001-854280, filed on 10 May 2001,  
PENDING Continuation of Ser. No. US 2001-854208, filed  
on 10 May 2001, PENDING Continuation of Ser. No. US  
2001-872035, filed on 1 Jun 2001, ABANDONED  
Continuation of Ser. No. US 2001-874503, filed on 5  
Jun  
2001, PENDING Continuation of Ser. No. US 2001-882636,  
filed on 14 Jun 2001, ABANDONED Continuation of Ser.  
No. US 2001-886342, filed on 19 Jun 2001, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10713	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000224
	WO 2000-US6319	20000310
	WO 2000-US8439	20000330
	WO 2000-US13705	20000517
	WO 2000-US14042	20000522
	WO 2000-US14941	20000530
	WO 2000-US15264	20000602
	WO 2000-US20710	20000728
	WO 2000-US23328	20000824
	WO 2000-US32678	20001201
	WO 2000-US34956	20001220
	WO 2001-US6520	20010228
	WO 2001-US9552	20010322

L5 ANSWER 8 OF 66 USPATFULL (Continued)  
US 1998-83495P 19980429 (60)  
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US 1999-130232P 19990421 (60)  
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US 1999-131445P 19990428 (60)  
US 1999-134287P 19990514 (60)  
US 1999-139557P 19990616 (60)  
US 1999-141037P 19990623 (60)  
US 1999-142680P 19990707 (60)  
US 1999-145698P 19990726 (60)  
US 1999-146222P 19990728 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE:  
FILE SEGMENT: Utility APPLICATION

L5 ANSWER 8 OF 66 USPATFULL (Continued)  
WO 2001-US17092 20010525  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-62250P 19971017 (60)  
US 1997-64249P 19971103 (60)  
US 1997-65311P 19971113 (60)  
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US 1998-81819P 19980415 (60)  
US 1998-81952P 19980415 (60)  
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US 1998-82704P 19980422 (60)  
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US 1998-82797P 19980422 (60)  
US 1998-82796P 19980423 (60)  
US 1998-83336P 19980427 (60)  
US 1998-83322P 19980428 (60)  
US 1998-83392P 19980429 (60)

L5 ANSWER 8 OF 66 USPATFULL (Continued)  
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 237 Drawing Page(s)  
LINE COUNT: 21673  
AB The present invention is directed to novel polypeptides and to nucleic  
acid molecules encoding those polypeptides. Also provided herein are  
vectors and host cells comprising those nucleic acid sequences,  
chimeric  
polypeptide molecules comprising the polypeptides of the present  
invention fused to heterologous polypeptide sequences, antibodies which  
bind to the polypeptides of the present invention and to methods for  
producing the polypeptides of the present invention.

L5 ANSWER 9 OF 66 USPATFULL  
 ACCESSION NUMBER: 2003:71348 USPATFULL  
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
 INVENTOR(S): Aekkenzi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES  
 Desnoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gao, Wei Qiang, Palo Alto, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Burlingame, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
 Kuo, Sophia S., San Francisco, CA, UNITED STATES  
 Napier, Mary A., Hillborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Shelton, David L., Oakland, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tuma, Daniel, Orinda, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William L., Hillborough, CA, UNITED STATES  
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):  
 NUMBER KIND DATE  
 PATENT INFORMATION: US 2003049633 A1 20030313  
 APPLICATION INFO.: US 2001-978585 A1 20011016 (9)  
 RELATED APPL. INFO.: Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US 6391311 Continuation of No. US 1998-105413, filed on 26 Jun 1998, ABANDONED Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, ABANDONED Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708 Continuation of No. US 1999-265686, filed on 10 Mar 1999, GRANTED, Pat.

L5 ANSWER 9 OF 66 USPATFULL (Continued)  
 No. US 6455283 Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

NUMBER	DATE
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WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10713	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330

L5 ANSWER 9 OF 66 USPATFULL (Continued)  
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 WO 2000-US14042 20000522  
 WO 2000-US14941 20000530  
 WO 2000-US15264 20000602  
 WO 2000-US20710 20000728  
 WO 2000-US23328 20000824  
 WO 2000-US32678 20001201  
 WO 2000-US34956 20001220  
 WO 2001-US5520 20010228  
 WO 2001-US9552 20010322  
 WO 2001-US17092 20010525  
 WO 2001-US17800 20010601  
 WO 2001-US19692 20010620  
 WO 2001-US21066 20010629  
 WO 2001-US21735 20010709  
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 US 1997-64249P 19971103 (60)  
 US 1997-65311P 19971113 (60)  
 US 1997-66364P 19971121 (60)  
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L5 ANSWER 9 OF 66 USPATFULL (Continued)  
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 US 1999-130232P 19990421 (60)  
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L5 ANSWER 9 OF 66 USPATFULL (Continued)  
 US 1999-141037P 19990623 (60)  
 US 1999-142680P 19990707 (60)  
 US 1999-145698P 19990726 (60)  
 US 1999-146222P 19990728 (60)  
 US 1999-162506P 19991029 (60)  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,  
 Suite 1150, 201 California Street, San Francisco, CA,  
 94111  
 NUMBER OF CLAIMS: 57  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 237 Drawing Page(s)  
 LINE COUNT: 21674  
 AB The present invention is directed to novel polypeptides and to nucleic  
 acid molecules encoding those polypeptides. Also provided herein are  
 vectors and host cells comprising those nucleic acid sequences.  
 chimeric polypeptide molecules comprising the polypeptides of the present  
 invention fused to heterologous polypeptide sequences, antibodies which  
 bind to the polypeptides of the present invention and to methods for  
 producing the polypeptides of the present invention.

L5 ANSWER 10 OF 66 USPATFULL  
 ACCESSION NUMBER: 2003:65338 USPATFULL  
 TITLE: Secreted and transmembrane polypeptides and nucleic  
 acids encoding the same  
 INVENTOR(S): Aahkenazi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David, Belmont, CA, UNITED STATES  
 Deanoysers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Burlingame, CA, UNITED STATES  
 Grimaldi, J. Christopher, San Francisco, CA, UNITED  
 STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
 Klavwin, Ivar J., Lafayette, CA, UNITED STATES  
 Kuo, Sophia S., San Francisco, CA, UNITED STATES  
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 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Shelton, David L., Oakland, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tuman, Daniel, Orinda, CA, UNITED STATES  
 Williams, P. Micky, Half Moon Bay, CA, UNITED STATES  
 Wood, William L., Hillsborough, CA, UNITED STATES  
 Genentech, Inc. (2)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003045462	A1	20030306
APPLICATION INFO.:	US 2001-978608	A1	20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17		
Mar	1998, GRANTED, Pat. No. US 6391311 Continuation of		
Ser.	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7		
Nov	1998, ABANDONED Continuation of Ser. No. US		
	1998-184216, filed on 2 Nov 1998, ABANDONED		
	Continuation of Ser. No. US 1998-187368, filed on 6		
Mar	1998, PENDING Continuation of Ser. No. US 1998-202054,		
Ser.	filed on 7 Dec 1998, PENDING Continuation of Ser. No.		
Pat.	US 1998-218517, filed on 22 Dec 1998, ABANDONED		
	Continuation of Ser. No. US 1999-254465, filed on 5		
	1999, GRANTED, Pat. No. US 6410708 Continuation of		
	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		

L5 ANSWER 10 OF 66 USPATFULL (Continued)  
 No. US 6455283 Continuation of Ser. No. US  
 1999-267213,  
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.  
 No. US 1999-284291, filed on 12 Apr 1999, ABANDONED  
 Continuation of Ser. No. US 1999-311832, filed on 14  
 May 1999, PENDING Continuation of Ser. No. US 380137,  
 PENDING Continuation of Ser. No. US 1999-380138, filed  
 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US  
 1999-380142, filed on 25 Aug 1999, ABANDONED  
 Continuation of Ser. No. US 2000-709238, filed on 8  
 Nov  
 2000, ABANDONED Continuation of Ser. No. US  
 2000-723749, filed on 27 Nov 2000, PENDING  
 Continuation  
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 PENDING Continuation of Ser. No. US 2001-816744, filed  
 on 22 Mar 2001, PENDING Continuation of Ser. No. US  
 2001-816920, filed on 22 Mar 2001, PENDING  
 Continuation  
 of Ser. No. US 2001-854280, filed on 10 May 2001,  
 PENDING Continuation of Ser. No. US 2001-854208, filed  
 on 10 May 2001, PENDING Continuation of Ser. No. US  
 2001-872035, filed on 1 Jun 2001, ABANDONED  
 Continuation of Ser. No. US 2001-874503, filed on 5  
 Jun  
 2001, PENDING Continuation of Ser. No. US 2001-882636,  
 filed on 14 Jun 2001, ABANDONED Continuation of Ser.  
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED  
 Continuation of Ser. No. US 2001-918585, filed on 30  
 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000224
	WO 2000-US6319	20000310
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	WO 2000-US13705	20000517
	WO 2000-US14042	20000522
	WO 2000-US14941	20000530
	WO 2000-US15264	20000602

L5 ANSWER 10 OF 66 USPATFULL (Continued)  
 WO 2000-US20710 200000728  
 WO 2000-US31318 200000824  
 WO 2000-US32678 200001201  
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 WO 2001-US19692 20010620  
 WO 2001-US21066 20010629  
 WO 2001-US21735 20010709  
 US 1997-62250P 19971017 (60)  
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L5 ANSWER 10 OF 66 USPATFULL (Continued)

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 US 1998-87208P 19980528 (60)  
 US 1998-87106P 19980528 (60)  
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 US 1998-91010P 19980626 (60)  
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 US 1998-91359P 19980701 (60)  
 US 1998-94651P 19980730 (60)  
 US 1998-100038P 19980911 (60)  
 US 1998-109304P 19981120 (60)  
 US 1998-113296P 19981222 (60)  
 US 1998-113621P 19981223 (60)  
 US 1999-123957P 19990312 (60)  
 US 1999-126773P 19990329 (60)  
 US 1999-130232P 19990421 (60)  
 US 1999-131022P 19990426 (60)  
 US 1999-131445P 19990428 (60)  
 US 1999-134287P 19990514 (60)  
 US 1999-139557P 19990616 (60)

L5 ANSWER 11 OF 66 USPATFULL

ACCESSION NUMBER: 2003:64781 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
 Baker, Kevin P., Darnestown, MD, UNITED STATES  
 Botstein, David A., Belmont, CA, UNITED STATES  
 Desnoyers, Luc, San Francisco, CA, UNITED STATES  
 Eaton, Dan L., San Rafael, CA, UNITED STATES  
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Godowski, Paul J., Hillsborough, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Klayvin, Ivar J., Lafayette, CA, UNITED STATES  
 Mather, Jennie P., Millbrae, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Pan, James, Belmont, CA, UNITED STATES  
 Paoni, Nicholas F., Belmont, CA, UNITED STATES  
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
 Stewart, Timothy A., San Francisco, CA, UNITED STATES  
 Tumes, Daniel, Orinda, CA, UNITED STATES  
 Watanabe, Colin K., Moraga, CA, UNITED STATES  
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
 Wood, William L., Hillsborough, CA, UNITED STATES  
 Zhang, Zemin, Foster City, CA, UNITED STATES  
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 2003044902	A1	20030306
US 2002-66193	A1	20020201 (10)

Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

PRIORITY INFORMATION:

NUMBER	DATE
WO 1998-US19093	19980914
WO 1998-US19130	19980916
WO 1998-US19437	19980917
WO 1998-US24855	19981120
WO 1998-US25108	19981201
WO 1998-US25190	19981125
WO 1999-US5028	19990308
WO 1999-US12252	19990602
WO 1999-US20111	19990901
WO 1999-US20594	19990908
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US28301	19991201
WO 1999-US28313	19991130
WO 1999-US28565	19991202
WO 1999-US30999	19991220
WO 2000-US219	20000105
WO 2000-US4341	20000218
WO 2000-US4342	20000218
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L5 ANSWER 10 OF 66 USPATFULL (Continued)

US 1999-141037P 19990623 (60)  
 US 1999-142680P 19990707 (60)  
 US 1999-145698P 19990726 (60)  
 US 1999-146222P 19990728 (60)  
 US 1999-162506P 19991029 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 57

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21638

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 11 OF 66 USPATFULL (Continued)

WO 2000-US5841 20000302  
 WO 2000-US6471 20000309  
 WO 2000-US7377 20000320  
 WO 2000-US8439 20000330  
 WO 2000-US13358 20000515  
 WO 2000-US13705 20000517  
 WO 2000-US14042 20000522  
 WO 2000-US14941 20000530  
 WO 2000-US15264 20000602  
 WO 2000-US22031 20000811  
 WO 2000-US23328 20000824  
 WO 2000-US23522 20000823  
 WO 2000-US32678 20001201  
 WO 2001-US6520 20010228  
 WO 2001-US17443 20010530  
 WO 2001-US17800 20010601  
 WO 2001-US19692 20010620  
 WO 2001-US21066 20010629  
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 US 1997-59263P 19970918 (60)  
 US 1997-59588P 19970919 (60)  
 US 1997-62285P 19971017 (60)  
 US 1997-62816P 19971024 (60)  
 US 1997-63082P 19971024 (60)  
 US 1997-63329P 19971027 (60)  
 US 1997-63733P 19971029 (60)  
 US 1997-66364P 19971121 (60)  
 US 1997-66840P 19971125 (60)  
 US 1997-69694P 19971216 (60)  
 US 1998-74086P 19980209 (60)  
 US 1998-74092P 19980209 (60)  
 US 1998-79294P 19980325 (60)  
 US 1998-81049P 19980408 (60)  
 US 1998-95998P 19980810 (60)  
 US 1998-97000P 19980818 (60)  
 US 1998-99601P 19980909 (60)  
 US 1998-99803P 19980910 (60)  
 US 1998-99811P 19980910 (60)  
 US 1998-99812P 19980910 (60)  
 US 1998-100858P 19980917 (60)  
 US 1998-101922P 19980924 (60)  
 US 1998-106032P 19981028 (60)  
 US 1998-109304P 19981120 (60)  
 US 1999-125778P 19990323 (60)  
 US 1999-139695P 19990615 (60)  
 US 1999-145070P 19990720 (60)  
 US 1999-145698P 19990726 (60)  
 US 1999-149396P 19990817 (60)  
 US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 39

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 75 Drawing Page(s)

LINE COUNT: 12208

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 66 USPATFULL (Continued)  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 12 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:64723 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darneatown, MD, UNITED STATES  
Botstein, David A., Belmont, CA, UNITED STATES  
Deenoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Mather, Jennie P., Millbrae, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tomas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (non-U.S. corporation)

PATENT ASSIGNEE(S):  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003044844 A1 20030306  
APPLICATION INFO.: US 2002-66211 A1 20020201 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER DATE  
PRIORITY INFORMATION: WO 1998-US14552 19980714  
WO 1998-US18824 19980910  
WO 1998-US19093 19980914  
WO 1998-US19330 19980916  
WO 1998-US19437 19980917  
WO 1998-US24855 19981120  
WO 1998-US25108 19981201  
WO 1998-US25190 19981125  
WO 1999-US5028 19990308  
WO 1999-US12252 19990602  
WO 1999-US20111 19990901  
WO 1999-US20594 19990908  
WO 1999-US21090 19990915  
WO 1999-US21547 19990915  
WO 1999-US28301 19991201  
WO 1999-US28313 19991130  
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L5 ANSWER 12 OF 66 USPATFULL (Continued)  
WO 1999-US30999 19991220  
WO 2000-US219 20000105  
WO 2000-US4341 20000218  
WO 2000-US4342 20000218  
WO 2000-US4414 20000222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US6471 20000309  
WO 2000-US7377 20000320  
WO 2000-US8439 20000330  
WO 2000-US13358 20000515  
WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
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WO 2000-US23522 20000823  
WO 2000-US32678 20001201  
WO 2001-US6520 20010228  
WO 2001-US17443 20010530  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-56974P 19970826 (60)  
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US 1997-59588P 19970919 (60)  
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US 1999-139695P 19990615 (60)  
US 1999-145070P 19990720 (60)  
US 1999-145698P 19990726 (60)  
US 1999-149396P 19990817 (60)  
US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, 201



LS ANSWER 13 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:64721 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)  
NUMBER KIND DATE  
-----  
PATENT INFORMATION: US 2003044842 A1 20030306  
APPLICATION INFO.: US 2001-36160 A1 20011226 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING

PRIORITY INFORMATION: WO 1999-US10733 19990514  
WO 1999-US28551 19991202  
WO 1999-US10720 19991222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US14042 20000522  
WO 2000-US15264 20000602  
WO 2000-US21522 20000823  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1998-85579P 19980515 (60)  
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US 1998-113300P 19981222 (60)  
US 1998-113430P 19981223 (60)  
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US 1999-115552P 19990112 (60)  
US 1999-116843P 19990122 (60)  
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US 1999-125778P 19990323 (60)  
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US 1999-129122P 19990413 (60)  
US 1999-130359P 19990421 (60)

LS ANSWER 14 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:57450 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Derneestown, MD, UNITED STATES  
Botstein, David A., Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Klijavin, Ivar J., Lafayette, CA, UNITED STATES  
Mather, Jennie P., Millbrae, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas P., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tomas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)  
NUMBER KIND DATE  
-----  
PATENT INFORMATION: US 2003040014 A1 20030227  
APPLICATION INFO.: US 2002-66269 A1 20020201 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

PRIORITY INFORMATION: WO 1998-US14552 19980714  
WO 1998-US18824 19980910  
WO 1998-US19093 19980914  
WO 1998-US19130 19980916  
WO 1998-US19437 19980917  
WO 1998-US24855 19981120  
WO 1998-US25108 19981201  
WO 1998-US25190 19981125  
WO 1999-US5028 19990308  
WO 1999-US12252 19990602  
WO 1999-US20111 19990901  
WO 1999-US20594 19990908  
WO 1999-US21090 19990915  
WO 1999-US21547 19990915  
WO 1999-US28301 19991201  
WO 1999-US28313 19991130  
WO 1999-US28565 19991202  
WO 1999-US30999 19991220  
WO 2000-US219 20000105  
WO 2000-US4341 20000218  
WO 2000-US4342 20000218

LS ANSWER 13 OF 66 USPATFULL (Continued)  
US 1999-131270P 19990427 (60)  
US 1999-131272P 19990427 (60)  
US 1999-131291P 19990427 (60)  
US 1999-132371P 19990504 (60)  
US 1999-132379P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 46 Drawing Page(s)  
LINE COUNT: 11477  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 14 OF 66 USPATFULL (Continued)  
WO 2000-US4414 20000222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US6471 20000309  
WO 2000-US7377 20000320  
WO 2000-US8439 20000330  
WO 2000-US13358 20000515  
WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
WO 2000-US22031 20000811  
WO 2000-US23328 20000824  
WO 2000-US23522 20000823  
WO 2000-US32678 20001201  
WO 2001-US6520 20010228  
WO 2001-US17443 20010530  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-56974P 19970826 (60)  
US 1997-59115P 19970917 (60)  
US 1997-59263P 19970918 (60)  
US 1997-59588P 19970919 (60)  
US 1997-62285P 19971017 (60)  
US 1997-62816P 19971024 (60)  
US 1997-63082P 19971024 (60)  
US 1997-63129P 19971027 (60)  
US 1997-63733P 19971029 (60)  
US 1997-66364P 19971121 (60)  
US 1997-66840P 19971125 (60)  
US 1997-69694P 19971216 (60)  
US 1998-74086P 19980209 (60)  
US 1998-74092P 19980209 (60)  
US 1998-79244P 19980325 (60)  
US 1998-81049P 19980408 (60)  
US 1998-95988P 19980810 (60)  
US 1998-97000P 19980818 (60)  
US 1998-99601P 19980909 (60)  
US 1998-99803P 19980910 (60)  
US 1998-99811P 19980910 (60)  
US 1998-99812P 19980910 (60)  
US 1998-100858P 19980917 (60)  
US 1998-101922P 19980924 (60)  
US 1998-106032P 19981028 (60)  
US 1998-109304P 19981120 (60)  
US 1999-125778P 19990323 (60)  
US 1999-139695P 19990615 (60)  
US 1999-145070P 19990720 (60)  
US 1999-145698P 19990726 (60)  
US 1999-149396P 19990817 (60)  
US 1999-169495P 19991207 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660  
NUMBER OF CLAIMS: 39  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 75 Drawing Page(s)

L5 ANSWER 14 OF 66 USPATFULL (Continued)  
LINE COUNT: 12217  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 15 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:44753 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David A., Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljasin, Ivar J., Lafayette, CA, UNITED STATES  
Mather, Jennie P., Millbrae, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoletti, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tomas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William L., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003032063 A1 20030213  
APPLICATION INFO.: US 2002-66494 A1 20020201 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER DATE  
PRIORITY INFORMATION: WO 1998-US19093 19980914  
WO 1998-US19330 19980916  
WO 1998-US19437 19980917  
WO 1998-US24855 19981120  
WO 1998-US25108 19981201  
WO 1998-US25190 19981125  
WO 1999-US5028 19990308  
WO 1999-US12252 19990602  
WO 1999-US20111 19990901  
WO 1999-US20594 19990908  
WO 1999-US21090 19990915  
WO 1999-US21547 19990915  
WO 1999-US28301 19991201  
WO 1999-US28313 19991130  
WO 1999-US28565 19991202  
WO 1999-US30999 19991220  
WO 2000-US219 20000105

L5 ANSWER 15 OF 66 USPATFULL (Continued)  
WO 2000-US4341 20000218  
WO 2000-US4342 20000218  
WO 2000-US4414 20000222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US6471 20000309  
WO 2000-US7377 20000320  
WO 2000-US8439 20000330  
WO 2000-US13358 20000515  
WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
WO 2000-US22031 20000811  
WO 2000-US23328 20000824  
WO 2000-US23522 20000823  
WO 2000-US22678 20001201  
WO 2001-US6520 20010228  
WO 2001-US17443 20010530  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-56974P 19970826 (60)  
US 1997-59115P 19970917 (60)  
US 1997-59263P 19970918 (60)  
US 1997-59588P 19970919 (60)  
US 1997-62285P 19971017 (60)  
US 1997-62816P 19971024 (60)  
US 1997-63082P 19971024 (60)  
US 1997-63329P 19971027 (60)  
US 1997-63733P 19971029 (60)  
US 1997-66364P 19971121 (60)  
US 1997-66840P 19971125 (60)  
US 1997-69694P 19971216 (60)  
US 1998-74086P 19980209 (60)  
US 1998-74092P 19980209 (60)  
US 1998-79294P 19980325 (60)  
US 1998-81049P 19980408 (60)  
US 1998-95998P 19980810 (60)  
US 1998-97000P 19980818 (60)  
US 1998-99601P 19980909 (60)  
US 1998-99803P 19980910 (60)  
US 1998-99811P 19980910 (60)  
US 1998-99812P 19980910 (60)  
US 1998-100858P 19980917 (60)  
US 1998-101922P 19980924 (60)  
US 1998-106032P 19981028 (60)  
US 1998-109304P 19981120 (60)  
US 1999-125778P 19990323 (60)  
US 1999-139695P 19990615 (60)  
US 1999-145070P 19990720 (60)  
US 1999-145698P 19990726 (60)  
US 1999-149396P 19990817 (60)  
US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660  
NUMBER OF CLAIMS: 39

L5 ANSWER 15 OF 66 USPATFULL (Continued)  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 75 Drawing Page(s)  
LINE COUNT: 12196  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 16 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:44752 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David A., Belmont, CA, UNITED STATES  
Deenoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Mather, Jennie P., Millbrae, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoi, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)  
PATENT ASSIGNEE(S):  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003032062 A1 20030213  
APPLICATION INFO.: US 2002-66273 A1 20020201 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER DATE  
PRIORITY INFORMATION: WO 1998-US14552 19980714  
WO 1998-US18824 19980910  
WO 1998-US19093 19980914  
WO 1998-US19330 19980916  
WO 1998-US19437 19980917  
WO 1998-US24855 19981120  
WO 1998-US25108 19981201  
WO 1998-US25190 19981125  
WO 1999-US5028 19990308  
WO 1999-US12252 19990602  
WO 1999-US20111 19990901  
WO 1999-US20594 19990908  
WO 1999-US21090 19990915  
WO 1999-US21547 19990915  
WO 1999-US28301 19991201  
WO 1999-US28313 19991130  
WO 1999-US28565 19991202

L5 ANSWER 16 OF 66 USPATFULL (Continued)  
DOCUMENT TYPE: US 1999-169495P 19991207 (60)  
FILE SEGMENT: Utility  
LEGAL REPRESENTATIVE: APPLICATION  
KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660  
NUMBER OF CLAIMS: 39  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 75 Drawing Page(s)  
LINE COUNT: 12204  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.  
chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 16 OF 66 USPATFULL (Continued)  
WO 1999-US10999 19991220  
WO 2000-US219 20000105  
WO 2000-US4341 20000218  
WO 2000-US4342 20000218  
WO 2000-US4414 20000222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US6471 20000309  
WO 2000-US7377 20000320  
WO 2000-US8439 20000330  
WO 2000-US13358 20000515  
WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
WO 2000-US22031 20000811  
WO 2000-US23328 20000824  
WO 2000-US23522 20000823  
WO 2000-US32678 20001201  
WO 2001-US6520 20010228  
WO 2001-US17443 20010530  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-56974P 19970826 (60)  
US 1997-59115P 19970917 (60)  
US 1997-59263P 19970918 (60)  
US 1997-59588P 19970919 (60)  
US 1997-62285P 19971017 (60)  
US 1997-62816P 19971024 (60)  
US 1997-63082P 19971024 (60)  
US 1997-63329P 19971027 (60)  
US 1997-63733P 19971029 (60)  
US 1997-66364P 19971121 (60)  
US 1997-66840P 19971125 (60)  
US 1997-6694P 19971216 (60)  
US 1998-74086P 19980209 (60)  
US 1998-74092P 19980209 (60)  
US 1998-79294P 19980325 (60)  
US 1998-81049P 19980408 (60)  
US 1998-95998P 19980810 (60)  
US 1998-97000P 19980818 (60)  
US 1998-99601P 19980909 (60)  
US 1998-99803P 19980910 (60)  
US 1998-99811P 19980910 (60)  
US 1998-99812P 19980910 (60)  
US 1998-100658P 19980917 (60)  
US 1998-101922P 19980924 (60)  
US 1998-106032P 19981028 (60)  
US 1998-109304P 19981120 (60)  
US 1999-125778P 19990323 (60)  
US 1999-139695P 19990615 (60)  
US 1999-145070P 19990720 (60)  
US 1999-145698P 19990726 (60)  
US 1999-149396P 19990817 (60)

L5 ANSWER 17 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:44751 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Deenoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)  
PATENT ASSIGNEE(S):  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003032061 A1 20030213  
APPLICATION INFO.: US 2001-26214 A1 20011226 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING

NUMBER DATE  
PRIORITY INFORMATION: WO 1999-US10733 19990514  
WO 1999-US28551 19991202  
WO 1999-US10720 19991222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US14042 20000522  
WO 2000-US15264 20000602  
WO 2000-US23522 20000823  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US14956 20001220  
WO 2001-US6520 20010228  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1998-85579P 19980515 (60)  
US 1998-112514P 19981215 (60)  
US 1998-113300P 19981222 (60)  
US 1998-113430P 19981223 (60)  
US 1998-113605P 19981223 (60)  
US 1998-113621P 19981223 (60)  
US 1998-114140P 19981223 (60)  
US 1999-115552P 19990112 (60)  
US 1999-116843P 19990122 (60)  
US 1999-125774P 19990321 (60)  
US 1999-125778P 19990321 (60)  
US 1999-125826P 19990324 (60)  
US 1999-127035P 19990331 (60)  
US 1999-127706P 19990405 (60)  
US 1999-129122P 19990413 (60)  
US 1999-130359P 19990421 (60)  
US 1999-131270P 19990427 (60)  
US 1999-131272P 19990427 (60)  
US 1999-131291P 19990427 (60)  
US 1999-132371P 19990504 (60)

L5 ANSWER 17 OF 66 USPATFULL (Continued)

US 1999-132179P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe, Martens, Olson & Bear, LLP, 201 California Street #1150, San Francisco, CA, 94111-3335

NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 46 Drawing Page(s)  
LINE COUNT: 11475  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 18 OF 66 USPATFULL

ACCESSION NUMBER: 2003:44747 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David A., Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillaborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Mather, Jennie P., Millbrae, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Pao, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
GENENTECH, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003032057	A1	20030213
APPLICATION INFO.:	US 2001-2796	A1	20011115 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US14552	19980714
	WO 1998-US18824	19980910
	WO 1998-US19093	19980914
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US24855	19981120
	WO 1998-US25108	19981201
	WO 1998-US25190	19981125
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US20111	19990901
	WO 1999-US20594	19990908
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28301	19991201
	WO 1999-US28313	19991130
	WO 1999-US28565	19991202
	WO 1999-US10999	19991220
	WO 2000-US219	20000105

L5 ANSWER 18 OF 66 USPATFULL (Continued)

WO 2000-US4341 20000218  
WO 2000-US4342 20000218  
WO 2000-US4414 20000222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US6471 20000309  
WO 2000-US7377 20000320  
WO 2000-US8439 20000330  
WO 2000-US13358 20000515  
WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
WO 2000-US22031 20000811  
WO 2000-US23328 20000824  
WO 2000-US23522 20000823  
WO 2000-US32678 20001201  
WO 2001-US6520 20010228  
WO 2001-US17443 20010530  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-56974P 19970826 (60)  
US 1997-59115P 19970917 (60)  
US 1997-59263P 19970918 (60)  
US 1997-59588P 19970919 (60)  
US 1997-62285P 19971017 (60)  
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US 1997-63082P 19971024 (60)  
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US 1997-66364P 19971121 (60)  
US 1997-66840P 19971125 (60)  
US 1997-69694P 19971216 (60)  
US 1998-74086P 19980209 (60)  
US 1998-74092P 19980209 (60)  
US 1998-79294P 19980325 (60)  
US 1998-81049P 19980408 (60)  
US 1998-95998P 19980810 (60)  
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US 1998-106032P 19981028 (60)  
US 1998-109304P 19981120 (60)  
US 1999-125778P 19990323 (60)  
US 1999-139695P 19990615 (60)  
US 1999-145070P 19990720 (60)  
US 1999-145698P 19990726 (60)  
US 1999-149396P 19990817 (60)  
US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Attn: Ginger R. Dreger, Esq., Knobbe, Martens, Olson & Bear, 201 California Street #1150, San Francisco, CA, 94111-3335

L5 ANSWER 18 OF 66 USPATFULL (Continued)

NUMBER OF CLAIMS: 39  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 75 Drawing Page(s)  
LINE COUNT: 12185  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 19 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:37604 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Denoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): GENENTECH, INC. (U.S. corporation)  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003027249 A1 20030206  
APPLICATION INFO.: US 2001-931836 A1 20010816 (9)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED  
Continuation of Ser. No. US 2000-644848, filed on 22 Aug 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING  
Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING  
Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-869599, filed on 29 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-908827, filed on 18 Jul 2001, PENDING  
NUMBER DATE  
PRIORITY INFORMATION: WO 1999-US10733 19990514  
WO 1999-US28551 19991202  
WO 1999-US10720 19991222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US14042 20000522  
WO 2000-US15264 20000602  
WO 2000-US23522 20000823  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1998-855799 19980515 (60)  
US 1998-112514P 19981215 (60)

L5 ANSWER 20 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:10653 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Denoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)  
NUMBER KIND DATE  
PATENT INFORMATION: US 2003008348 A1 20030109  
APPLICATION INFO.: US 2001-35855 A1 20011226 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING  
NUMBER DATE  
PRIORITY INFORMATION: WO 1999-US10733 19990514  
WO 1999-US28551 19991202  
WO 1999-US10720 19991222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US14042 20000522  
WO 2000-US15264 20000602  
WO 2000-US23522 20000823  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1998-855799 19980515 (60)  
US 1998-112514P 19981215 (60)  
US 1998-113200P 19981222 (60)  
US 1998-113430P 19981223 (60)  
US 1998-113605P 19981223 (60)  
US 1998-113621P 19981223 (60)  
US 1998-114140P 19981223 (60)  
US 1999-115552P 19990112 (60)  
US 1999-116843P 19990122 (60)  
US 1999-125774P 19990323 (60)  
US 1999-125778P 19990323 (60)  
US 1999-125826P 19990324 (60)  
US 1999-127035P 19990331 (60)  
US 1999-127706P 19990405 (60)  
US 1999-129122P 19990413 (60)  
US 1999-130359P 19990421 (60)  
US 1999-131270P 19990427 (60)  
US 1999-131272P 19990427 (60)  
US 1999-131291P 19990427 (60)  
US 1999-132371P 19990504 (60)  
US 1999-132379P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)

L5 ANSWER 19 OF 66 USPATFULL (Continued)  
US 1998-113300P 19981222 (60)  
US 1998-113430P 19981223 (60)  
US 1998-113605P 19981223 (60)  
US 1998-113621P 19981223 (60)  
US 1998-114140P 19981223 (60)  
US 1999-115552P 19990112 (60)  
US 1999-116843P 19990122 (60)  
US 1999-125774P 19990323 (60)  
US 1999-125778P 19990323 (60)  
US 1999-125826P 19990324 (60)  
US 1999-127035P 19990331 (60)  
US 1999-127706P 19990405 (60)  
US 1999-129122P 19990413 (60)  
US 1999-130359P 19990421 (60)  
US 1999-131270P 19990427 (60)  
US 1999-131272P 19990427 (60)  
US 1999-131291P 19990427 (60)  
US 1999-132371P 19990504 (60)  
US 1999-132379P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080  
NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 46 Drawing Page(s)  
LINE COUNT: 11478  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.  
L5 ANSWER 20 OF 66 USPATFULL (Continued)  
US 1999-132379P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 46 Drawing Page(s)  
LINE COUNT: 11475  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 21 OF 66 USPATFULL  
ACCESSION NUMBER: 2003:4063 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darneestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillon, Kenneth J., San Francisco, CA, UNITED STATES  
Kijavits, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tunas, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003004102	A1	20030102
APPLICATION INFO.:	US 2001-978189	A1	20011015 (9)
RELATED APPL. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17 Mar		
	1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2 Nov		
	1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, PENDING Continuation of Ser. No. US 1999-265686, filed on 10 Mar 1999, PENDING Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137,		

LS ANSWER 21 OF 66 USPATFULL (Continued)  
PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov  
2000, PENDING Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING  
of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, PENDING Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING  
of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000324
	WO 2000-US6319	20000330
	WO 2000-US8439	20000330
	WO 2000-US13705	20000517
	WO 2000-US14042	20000522
	WO 2000-US14941	20000530
	WO 2000-US15264	20000602
	WO 2000-US20710	20000728
	WO 2000-US23328	20000824
	WO 2000-US32678	20001201

LS ANSWER 21 OF 66 USPATFULL (Continued)  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US9552 20010322  
WO 2001-US17092 20010525  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
WO 2001-US6520 20010228  
WO 2000-US34956 20001220  
WO 2000-US32678 20001201  
WO 2000-US10873 20001110  
WO 2000-US23328 20000824  
WO 2000-US15264 20000602  
WO 2000-US7532 20000321  
WO 2000-US5841 20000302  
WO 2000-US5601 20000301  
WO 2000-US4341 20000218  
WO 1999-US31274 19991230  
WO 1999-US10733 19990514  
US 1997-62250P 19971017 (60)  
US 1997-64249P 19971103 (60)  
US 1997-65311P 19971113 (60)  
US 1997-66364P 19971121 (60)  
US 1998-77450P 19980310 (60)  
US 1998-77632P 19980311 (60)  
US 1998-77641P 19980311 (60)  
US 1998-77649P 19980311 (60)  
US 1998-77791P 19980312 (60)  
US 1998-78004P 19980313 (60)  
US 1998-78886P 19980320 (60)  
US 1998-78936P 19980320 (60)  
US 1998-78910P 19980320 (60)  
US 1998-78939P 19980320 (60)  
US 1998-79294P 19980325 (60)  
US 1998-79656P 19980326 (60)  
US 1998-79664P 19980327 (60)  
US 1998-79689P 19980327 (60)  
US 1998-79663P 19980327 (60)  
US 1998-79728P 19980327 (60)  
US 1998-79786P 19980327 (60)  
US 1998-79920P 19980330 (60)  
US 1998-79923P 19980330 (60)  
UTILITY APPLICATION

DOCUMENT TYPE: APPLICATION  
FILE SEGMENT:  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 237 Drawing Page(s)  
LINE COUNT: 21608  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for

LS ANSWER 21 OF 66 USPATFULL (Continued)  
producing the polypeptides of the present invention.

L5 ANSWER 22 OF 66 USPATFULL  
ACCESSION NUMBER: 2002:337392 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)  
NUMBER KIND DATE  
PATENT INFORMATION: US 2002192751 A1 20021219  
APPLICATION INFO.: US 2001-36041 A1 20011226 (10)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING

PRIORITY INFORMATION: NUMBER DATE  
WO 1999-US10733 19990514  
WO 1999-US28551 19991202  
WO 1999-US30720 19991222  
WO 2000-US5601 20000301  
WO 2000-US5841 20000302  
WO 2000-US14042 20000522  
WO 2000-US15264 20000602  
WO 2000-US23522 20000823  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1998-85579P 19980515 (60)  
US 1998-112514P 19981215 (60)  
US 1998-113300P 19981222 (60)  
US 1998-113430P 19981223 (60)  
US 1998-113605P 19981223 (60)  
US 1998-113621P 19981223 (60)  
US 1998-114140P 19981223 (60)  
US 1999-115552P 19990112 (60)  
US 1999-116843P 19990122 (60)  
US 1999-125774P 19990323 (60)  
US 1999-125778P 19990323 (60)  
US 1999-125826P 19990324 (60)  
US 1999-127035P 19990331 (60)  
US 1999-127706P 19990405 (60)  
US 1999-129122P 19990413 (60)  
US 1999-130359P 19990421 (60)

L5 ANSWER 23 OF 66 USPATFULL  
ACCESSION NUMBER: 2002:337348 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillman, Kenneth J., San Francisco, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roh, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

NUMBER KIND DATE  
PATENT INFORMATION: US 2002192706 A1 20021219  
APPLICATION INFO.: US 2001-999832 A1 20011024 (9)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US 6391311

PRIORITY INFORMATION: NUMBER DATE  
WO 1998-US21141 19981007  
WO 1998-US24855 19981120  
WO 1999-US106 19990105  
WO 1999-US5028 19990308  
WO 1999-US5190 19990310  
WO 1999-US10733 19990514  
WO 1999-US12252 19990602  
WO 1999-US28113 19991130  
WO 1999-US28551 19991202  
WO 1999-US28565 19991202  
WO 1999-US30095 19991216  
WO 1999-US31243 19991230  
WO 1999-US31274 19991230  
WO 2000-US219 20000105  
WO 2000-US477 20000106  
WO 2000-US376 20000106  
WO 2000-US3565 20000211

L5 ANSWER 22 OF 66 USPATFULL (Continued)  
US 1999-131270P 19990427 (60)  
US 1999-131272P 19990427 (60)  
US 1999-131291P 19990427 (60)  
US 1999-132371P 19990504 (60)  
US 1999-132379P 19990504 (60)  
US 1999-132383P 19990504 (60)  
US 1999-135750P 19990525 (60)  
US 1999-138166P 19990608 (60)  
US 1999-144791P 19990720 (60)  
US 1999-146970P 19990803 (60)  
US 1999-162506P 19991029 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, 201 California Street, Suite 1150, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 46 Drawing Page(s)  
LINE COUNT: 11582  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 23 OF 66 USPATFULL (Continued)  
WO 2000-US4341 20000218  
WO 2000-US5841 20000302  
WO 2000-US7532 20000321  
WO 2000-US5004 20000324  
WO 2000-US6319 20000330  
WO 2000-US8439 20000330  
WO 2000-US13705 20000517  
WO 2000-US14042 20000522  
WO 2000-US14941 20000530  
WO 2000-US15264 20000602  
WO 2000-US20710 20000728  
WO 2000-US23328 20000824  
WO 2000-US32678 20001201  
WO 2000-US34956 20001220  
WO 2001-US6520 20010228  
WO 2001-US9552 20010322  
WO 2001-US17092 20010525  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-62250P 19971017 (60)  
US 1997-64249P 19971103 (60)  
US 1997-65311P 19971113 (60)  
US 1997-66364P 19971121 (60)  
US 1998-77450P 19980311 (60)  
US 1998-77632P 19980311 (60)  
US 1998-77641P 19980311 (60)  
US 1998-77649P 19980311 (60)  
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US 1998-78886P 19980320 (60)  
US 1998-78936P 19980320 (60)  
US 1998-78910P 19980320 (60)  
US 1998-78939P 19980320 (60)  
US 1998-79294P 19980325 (60)  
US 1998-79656P 19980326 (60)  
US 1998-79664P 19980327 (60)  
US 1998-79689P 19980327 (60)  
US 1998-79663P 19980327 (60)  
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US 1998-79786P 19980327 (60)  
US 1998-79920P 19980330 (60)  
US 1998-79923P 19980330 (60)  
US 1998-80105P 19980331 (60)  
US 1998-80107P 19980331 (60)  
US 1998-80165P 19980331 (60)  
US 1998-80194P 19980331 (60)  
US 1998-80327P 19980401 (60)  
US 1998-80328P 19980401 (60)  
US 1998-80333P 19980401 (60)  
US 1998-80334P 19980401 (60)  
US 1998-81070P 19980408 (60)  
US 1998-81049P 19980408 (60)  
US 1998-81071P 19980408 (60)  
US 1998-81195P 19980409 (60)  
US 1998-81203P 19980409 (60)  
US 1998-81229P 19980409 (60)  
US 1998-81955P 19980415 (60)  
US 1998-81817P 19980415 (60)

## L5 ANSWER 23 OF 66 USPATFULL (Continued)

US 1998-81819P 19980415 (60)  
US 1998-81952P 19980415 (60)  
US 1998-81838P 19980415 (60)  
US 1998-82568P 19980421 (60)  
US 1998-82569P 19980421 (60)  
US 1998-82704P 19980422 (60)  
US 1998-82804P 19980422 (60)  
US 1998-82700P 19980422 (60)  
US 1998-82797P 19980422 (60)  
US 1998-82796P 19980423 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,  
620 Newport Center Drive, Sixteenth Floor, Newport  
Beach, CA, 92660  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 237 Drawing Page(s)  
LINE COUNT: 21732  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic  
acid molecules encoding those polypeptides. Also provided herein are  
vectors and host cells comprising those nucleic acid sequences,  
chimeric polypeptide molecules comprising the polypeptides of the present  
invention fused to heterologous polypeptide sequences, antibodies which  
bind to the polypeptides of the present invention and to methods for  
producing the polypeptides of the present invention.

## L5 ANSWER 24 OF 66 USPATFULL (Continued)

## L5 ANSWER 24 OF 66 USPATFULL

ACCESSION NUMBER: 2002:337276 USPATFULL  
TITLE: EG-VEGF nucleic acids and polypeptides and methods of  
use  
INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Watanabe, Colin, Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Shek, Theresa, San Mateo, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002192634	A1	20021219
US 2001-27603	A1	20011219 (10)
Continuation-in-part of Ser. No. US 2001-886242, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US32678, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US8439, filed on 30 Mar 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4914, filed on 24 Feb 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US219, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser.		
No.		
WO 1999-US12252, filed on 2 Jun 1999, PENDING Continuation-in-part of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 380137, PENDING A 371 of International Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING		

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
61

NUMBER OF CLAIMS: 59  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 59 Drawing Page(s)  
LINE COUNT: 4926  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides designated  
herein as EG-VEGF and to nucleic acid molecules encoding those  
polypeptides. Also provided herein are vectors and host cells  
comprising those nucleic acid sequences, chimeric polypeptide molecules comprising  
the polypeptides of the present invention fused to heterologous  
polypeptide sequences, antibodies which bind to the polypeptides of the  
present invention and to methods for producing the polypeptides of the  
present invention. Also provided herein are methods of screening for  
modulators of EG-VEGF. Furthermore, methods and related methods of  
treatment are described herein which pertain to regulating cellular  
proliferation and chemotaxis.

NUMBER	DATE
US 2000-230978P	20000907 (60)
US 2000-213637P	20000623 (60)
US 1999-145698P	19990726 (60)
US 1998-96146P	19980811 (60)
US 1998-96146P	19980811 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET,  
FOURTEENTH FLOOR, IRVINE, CA, 92614  
61

NUMBER OF CLAIMS: 59  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 59 Drawing Page(s)  
LINE COUNT: 4926  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides designated  
herein as EG-VEGF and to nucleic acid molecules encoding those  
polypeptides. Also provided herein are vectors and host cells  
comprising those nucleic acid sequences, chimeric polypeptide molecules comprising  
the polypeptides of the present invention fused to heterologous  
polypeptide sequences, antibodies which bind to the polypeptides of the  
present invention and to methods for producing the polypeptides of the  
present invention. Also provided herein are methods of screening for  
modulators of EG-VEGF. Furthermore, methods and related methods of  
treatment are described herein which pertain to regulating cellular  
proliferation and chemotaxis.

## L5 ANSWER 25 OF 66 USPATFULL

ACCESSION NUMBER: 2002:314688 USPATFULL  
TITLE: Secreted and transmembrane polypeptides and nucleic  
acids encoding  
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David A., Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan L., San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Hillsborough, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Mather, Jennie P., Millbrae, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Watanabe, Colin K., Moraga, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Zhang, Zemin, Foster City, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2002177165	A1	20021128
US 2002-66500	A1	20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING		

NUMBER	DATE
WO 1998-US14552	19980714
WO 1998-US18824	19980910
WO 1998-US19093	19980914
WO 1998-US19330	19980916
WO 1998-US19437	19980917
WO 1998-US24855	19981120
WO 1998-US25108	19981201
WO 1998-US25190	19981125
WO 1999-US5028	19990308
WO 1999-US12252	19990602
WO 1999-US20111	19990901
WO 1999-US20594	19990908
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US28301	19991201
WO 1999-US28313	19991130
WO 1999-US28565	19991202
WO 1999-US30999	19991220
WO 2000-US219	20000105
WO 2000-US4341	20000218
WO 2000-US4342	20000218



L5 ANSWER 25 OF 66 USPATFULL (Continued)

WO 2000-US4414	20000222
WO 2000-US5601	20000301
WO 2000-US5841	20000302
WO 2000-US6471	20000309
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US13358	20000515
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US22031	20000811
WO 2000-US23128	20000824
WO 2000-US23522	20000823
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17443	20010530
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-56974P	19970826 (60)
US 1997-59115P	19970917 (60)
US 1997-59263P	19970918 (60)
US 1997-59588P	19970919 (60)
US 1997-62285P	19971017 (60)
US 1997-62816P	19971024 (60)
US 1997-63082P	19971024 (60)
US 1997-63329P	19971027 (60)
US 1997-63733P	19971029 (60)
US 1997-66364P	19971121 (60)
US 1997-66840P	19971125 (60)
US 1997-69694P	19971216 (60)
US 1998-74086P	19980209 (60)
US 1998-74092P	19980209 (60)
US 1998-79294P	19980325 (60)
US 1998-81049P	19980408 (60)
US 1998-95988P	19980810 (60)
US 1998-97000P	19980818 (60)
US 1998-99601P	19980909 (60)
US 1998-99803P	19980910 (60)
US 1998-99811P	19980910 (60)
US 1998-99812P	19980910 (60)
US 1998-100858P	19980917 (60)
US 1998-101922P	19980924 (60)
US 1998-106032P	19981028 (60)
US 1998-109304P	19981120 (60)
US 1999-125778P	19990323 (60)
US 1999-139695P	19990615 (60)
US 1999-145070P	19990720 (60)
US 1999-145698P	19990726 (60)
US 1999-149396P	19990817 (60)
US 1999-169495P	19991207 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite

L5 ANSWER 26 OF 66 USPATFULL

ACCESSION NUMBER: 2002:307559 USPATFULL

TITLE: EG-VEGF nucleic acids and polypeptides and methods of use

INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Watanabe, Colin, Moraga, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002172678	A1	20021121
US 2001-886242	A1	20010620 (9)

NUMBER	DATE
US 2000-230978P	20000907 (60)
US 2000-213637P	20000623 (60)

PRIORITY INFORMATION: US 2000-230978P 20000907 (60)  
US 2000-213637P 20000623 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 103  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 50 Drawing Page(s)  
LINE COUNT: 4912  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

L5 ANSWER 25 OF 66 USPATFULL (Continued)

1150, 201 California Street, San Francisco, CA, 94111

NUMBER OF CLAIMS: 39  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 75 Drawing Page(s)  
LINE COUNT: 12214  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 27 OF 66 USPATFULL

ACCESSION NUMBER: 2002:301735 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Botstein, David, Belmont, CA, UNITED STATES  
Desnoyers, Luc, San Francisco, CA, UNITED STATES  
Eaton, Dan, San Rafael, CA, UNITED STATES  
Ferrara, Napoleone, San Francisco, CA, UNITED STATES  
Filvaroff, Ellen, San Francisco, CA, UNITED STATES  
Fong, Sherman, Alameda, CA, UNITED STATES  
Gao, Wei-Qiang, Foster City, CA, UNITED STATES  
Gerber, Hanspeter, San Francisco, CA, UNITED STATES  
Gerritsen, Mary E., San Mateo, CA, UNITED STATES  
Goddard, Audrey, San Francisco, CA, UNITED STATES  
Godowski, Paul J., Burlingame, CA, UNITED STATES  
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES  
Gurney, Austin L., Belmont, CA, UNITED STATES  
Hillan, Kenneth J., San Francisco, CA, UNITED STATES  
Kljavin, Ivar J., Lafayette, CA, UNITED STATES  
Kuo, Sophia S., San Francisco, CA, UNITED STATES  
Napier, Mary A., Hillsborough, CA, UNITED STATES  
Pan, James, Belmont, CA, UNITED STATES  
Paoni, Nicholas F., Belmont, CA, UNITED STATES  
Roy, Margaret Ann, San Francisco, CA, UNITED STATES  
Shelton, David L., Oakland, CA, UNITED STATES  
Stewart, Timothy A., San Francisco, CA, UNITED STATES  
Tumas, Daniel, Orinda, CA, UNITED STATES  
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES  
Wood, William I., Hillsborough, CA, UNITED STATES  
Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2002169284	A1	20021114
US 2001-978697	A1	20011016 (9)

PATENT INFORMATION: US 2002169284 A1 20021114  
APPLICATION INFO.: US 2001-978697 A1 20011016 (9)  
RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, PENDING Continuation of Ser. No. US 1999-265686, filed on 10 Mar 1999, PENDING Continuation of Ser. No. US 1981-267213, filed on 26 May 1981, GRANTED, Pat. No. US 4435652 Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING

Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED

L5 ANSWER 27 OF 66 USPATFULL (Continued)  
Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING  
Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING  
Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, PENDING  
Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

NUMBER	DATE
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10733	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000324
WO 2000-US6319	20000330
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228

PRIORITY INFORMATION:

L5 ANSWER 28 OF 66 USPATFULL  
ACCESSION NUMBER: 2002-301734 USPATFULL  
TITLE: CLASP-7 transmembrane protein  
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES  
Garman, Jonathan David, San Jose, CA, UNITED STATES  
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002169283	A1	20021114
US 2000-736968	A1	20001213 (9)

PATENT INFORMATION:  
APPLICATION INFO.:

NUMBER	DATE
US 2000-240508P	20001013 (60)
US 2000-240503P	20001013 (60)
US 2000-240539P	20001013 (60)
US 2000-240543P	20001013 (60)
US 2000-196267P	20000411 (60)
US 2000-196527P	20000411 (60)
US 2000-196528P	20000411 (60)
US 2000-196460P	20000411 (60)
US 2000-182296P	20000214 (60)
US 2000-176195P	20000114 (60)
US 1999-170453P	19991213 (60)
US 1999-162498P	19991029 (60)
US 1999-160860P	19991021 (60)

PRIORITY INFORMATION:

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

NUMBER OF CLAIMS: 37  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 34 Drawing Page(s)  
LINE COUNT: 4837

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-7 ("CLASP-7"). In particular, it relates to CLASP-7 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-7 function.

L5 ANSWER 27 OF 66 USPATFULL (Continued)  
WO 2001-US9552 20010322  
WO 2001-US17092 20010525  
WO 2001-US17800 20010601  
WO 2001-US19692 20010620  
WO 2001-US21066 20010629  
WO 2001-US21735 20010709  
US 1997-62250P 19971017 (60)  
US 1997-64249P 19971103 (60)  
US 1997-65311P 19971113 (60)  
US 1997-66364P 19971121 (60)  
US 1998-77450P 19980310 (60)  
US 1998-77632P 19980311 (60)  
US 1998-77641P 19980311 (60)  
US 1998-77649P 19980311 (60)  
US 1998-77791P 19980312 (60)  
US 1998-78004P 19980313 (60)  
US 1998-78886P 19980320 (60)  
US 1998-78936P 19980320 (60)  
US 1998-78910P 19980320 (60)  
US 1998-78939P 19980320 (60)  
US 1998-79294P 19980325 (60)  
US 1998-79656P 19980326 (60)  
US 1998-79664P 19980327 (60)  
US 1998-79689P 19980327 (60)  
US 1998-79663P 19980327 (60)  
US 1998-79728P 19980327 (60)  
US 1998-79786P 19980327 (60)  
US 1998-79920P 19980330 (60)  
US 1998-79923P 19980330 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111  
NUMBER OF CLAIMS: 57  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 237 Drawing Page(s)  
LINE COUNT: 21798  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.  
chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 29 OF 66 USPATFULL  
ACCESSION NUMBER: 2002-272488 USPATFULL  
TITLE: Implantable biocompatible immunosolatory vehicle for delivery of selected therapeutic products  
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, UNITED STATES  
Emerich, Dwaine F., Providence, RI, UNITED STATES  
Hoffman, Diane, Cambridge, MA, UNITED STATES  
Sanberg, Paul R., Spring Hill, FL, UNITED STATES  
Christenson, Lisa, New Haven, CT, UNITED STATES  
Hegre, Orion D., Green Valley, AZ, UNITED STATES  
Scharp, David W., St. Louis, MO, UNITED STATES  
Lacy, Paul E., Webster Grove, MO, UNITED STATES  
Aebischer, Patrick, Lucry, SWITZERLAND  
Vasconcellos, Alfred V., Cranston, RI, UNITED STATES  
Lysaght, Michael J., E. Greenwich, RI, UNITED STATES  
Gentile, Frank T., Warwick, RI, UNITED STATES

NUMBER	KIND	DATE
US 2002150603	A1	20021017
US 2001-7344	A1	20011025 (10)

PATENT INFORMATION:  
APPLICATION INFO.: Continuation of Ser. No. US 2000-563248, filed on 2 May 2000, GRANTED, Pat. No. US 6322804 Division of Ser. No. 1998-148671, filed on 4 Sep 1998, GRANTED, Pat. No. US 6083523 Division of Ser. No. US 1995-449837, filed on 24 May 1995, GRANTED, Pat. No. US 5874099 Division of Ser. No. US 1994-179151, filed on 10 Jan 1994, GRANTED, Pat. No. US 5800828 Continuation-in-part of Ser. No. WO 1992-US3327, filed on 22 Apr 1992, UNKNOWN Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, ABANDONED  
UTILITY  
APPLICATION  
LEGAL REPRESENTATIVE: MINTZ LEVIN, ONE FINANCIAL CENTER, BOSTON, MA, 02111

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Page(s)  
LINE COUNT: 3733  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB An immunosolatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeable, biocompatible, peripheral region free of the isolated cells, which immunosolates the core yet provides for the delivery of the secreted product or metabolic function to the individual. The vehicle is particularly well-suited to delivery of insulin from immunosolated islets of Langerhans, and can also be used advantageously for delivery of high molecular weight products, such as products larger than 190. A method of making a biocompatible, immunosolatory implantable vehicle, consisting in a first embodiment of a coextrusion process, and in a second embodiment of a stepwise process.  
A method for isolating cells within a biocompatible, immunosolatory implantable vehicle, which protects the isolated cells from attack by the immune system of an individual in whom the vehicle is implanted.  
A method of providing a needed biological product or metabolic function to

L5 ANSWER 29 OF 66 USPATFULL (Continued)  
an individual, comprising implanting into the individual an immunosolatory vehicle containing isolated cells which produce the product or provide the metabolic function.

L5 ANSWER 30 OF 66 USPATFULL  
ACCESSION NUMBER: 2002:191204 USPATFULL  
TITLE: CLASP-5 transmembrane protein  
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES  
Garman, Jonathan D., San Jose, CA, UNITED STATES  
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102267	A1	20020801
APPLICATION INFO.:	US 2000-736960	A1	20001213 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-240508P	20001013 (60)
	US 2000-240503P	20001013 (60)
	US 2000-240539P	20001013 (60)
	US 2000-240543P	20001013 (60)
	US 2000-196267P	20000411 (60)
	US 2000-196527P	20000411 (60)
	US 2000-196528P	20000411 (60)
	US 2000-196460P	20000411 (60)
	US 2000-182296P	20000214 (60)
	US 2000-176195P	20000114 (60)
	US 1999-170453P	19991213 (60)
	US 1999-162498P	19991029 (60)
	US 1999-160860P	19991021 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

NUMBER OF CLAIMS: 37  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 61 Drawing Page(s)  
LINE COUNT: 4844

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-5 ("CLASP-5"). In particular, it relates to CLASP-5 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-5 function.

L5 ANSWER 31 OF 66 USPATFULL  
ACCESSION NUMBER: 2002:171651 USPATFULL  
TITLE: Cytoprotective biocompatible containment systems for biologically active materials and methods of making same  
INVENTOR(S): Soon-Shiong, Patrick, Malibu, CA, UNITED STATES  
Desai, Neil, Los Angeles, CA, UNITED STATES  
Ron, Nilesh, Culver City, CA, UNITED STATES  
Sojomihardjo, Andrew S., West Covina, CA, UNITED STATES  
STATES  
Heintz, Roswitha, Los Angeles, CA, UNITED STATES  
Curcio, Francesco, Westlake Village, CA, UNITED STATES  
PATENT ASSIGNEE(S): VivoRx, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090399	A1	20020711
APPLICATION INFO.:	US 2001-29582	A1	20011220 (10)
RELATED APPL. INFO.:	Division of Ser. No. US 1999-264187, filed on 9 Mar 1999, PENDING		

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: Stephen E. Reiter, Foley & Lardner, P.O. Box 80278, San

Diego, CA, 92138-0278

NUMBER OF CLAIMS: 64

EXEMPLARY CLAIM: 1

LINE COUNT: 1732

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or components

secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.

L5 ANSWER 32 OF 66 USPATFULL  
ACCESSION NUMBER: 2002:164764 USPATFULL  
TITLE: Clasp-3 transmembrane protein  
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES  
Garman, Jonathan D., San Jose, CA, UNITED STATES  
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086382	A1	20020704
APPLICATION INFO.:	US 2000-737246	A1	20001213 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-240508P	20001013 (60)
	US 2000-240503P	20001013 (60)
	US 2000-240539P	20001013 (60)
	US 2000-240543P	20001013 (60)
	US 2000-196267P	20000411 (60)
	US 2000-196527P	20000411 (60)
	US 2000-196528P	20000411 (60)
	US 2000-196460P	20000411 (60)
	US 2000-182296P	20000214 (60)
	US 2000-176195P	20000114 (60)
	US 1999-170453P	19991213 (60)
	US 1999-162498P	19991029 (60)
	US 1999-160860P	19991021 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

NUMBER OF CLAIMS: 37  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 54 Drawing Page(s)  
LINE COUNT: 5126

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-3 ("CLASP-3"). In particular, it relates to CLASP-3 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-3 function.

LS ANSWER 33 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:133451 USPATFULL  
 TITLE: CLASP-4 transmembrane protein  
 INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES  
 Garman, Jonathan D., San Jose, CA, UNITED STATES  
 Candia, Albert F., III, Menlo Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002068302	A1	20020606
APPLICATION INFO.:	US 2001-736969	A1	20010507 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-240508P	20001013 (60)

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

NUMBER OF CLAIMS: 37  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 47 Drawing Page(s)  
 LINE COUNT: 5116

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-4 ("CLASP-4"). In particular, it relates to CLASP-4 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-4 function.

LS ANSWER 34 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:112583 USPATFULL  
 TITLE: Gels for encapsulation of biological materials  
 INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, UNITED STATES  
 Pathak, Chandrasekhar P., Waltham, MA, UNITED STATES  
 Sawhney, Amarpreet S., Newton, MA, UNITED STATES  
 Desai, Neil P., Los Angeles, CA, UNITED STATES  
 Hossainy, Syed F.A., Austin, TX, UNITED STATES  
 PATENT ASSIGNEE(S): THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002058318	A1	20020516
APPLICATION INFO.:	US 2001-811901	A1	20010319 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-783387, filed on 13 Jan 1997, GRANTED, Pat. No. US 6258870 Division of Ser. No. US 1995-484160, filed on 7 Jun 1995, ABANDONED Division of Ser. No. US 1992-958870, filed on 7 Oct 1992, GRANTED, Pat. No. US 5529914		

Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, ABANDONED Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, ABANDONED

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: LYON & LYON LLP, 633 WEST FIFTH STREET, SUITE 4700, LOS ANGELES, CA, 90071

	NUMBER	DATE
NUMBER OF CLAIMS:	128	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	13 Drawing Page(s)	
LINE COUNT:	2285	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of

water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species.

Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules

capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

LS ANSWER 35 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:16657 USPATFULL  
 TITLE: Superoxide dismutase or superoxide dismutase mimic coating for an intracorporeal medical device  
 INVENTOR(S): Michal, Eugene T., San Francisco, CA, UNITED STATES  
 Buchko, Christopher J., Redwood City, CA, UNITED STATES

STATES Kilpatrick, Deborah L., Mountain View, CA, UNITED STATES  
 Bigus, Stephen J., San Jose, CA, UNITED STATES  
 PATENT ASSIGNEE(S): Advanced Cardiovascular Systems, Inc. (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002009535	A1	20020124
APPLICATION INFO.:	US 2001-827977	A1	20010406 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-240914, filed on 29 Jan 1999, GRANTED, Pat. No. US 6287285 Continuation-in-part of Ser. No. US 1998-16694, filed on 30 Jan 1998, GRANTED, Pat. No. US 6221425		

DOCUMENT TYPE: Utility  
 FILE SEGMENT: APPLICATION  
 LEGAL REPRESENTATIVE: Priscilla Mark, Heller Ehrman White & McAuliffe LLP, 275 Middlefield Road, Menlo Park, CA, 94025-3506

NUMBER OF CLAIMS: 41  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 4 Drawing Page(s)  
 LINE COUNT: 1518

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB A method of providing a therapeutic, diagnostic or lubricious hydrophilic coating on an intracorporeal medical device and the coated device produced thereby, wherein the coating is durable. In one embodiment, the coating comprises a polymerized base coat and a top coat having a therapeutic, diagnostic or hydrophilic agent, where the base coat has a binding component which binds to the top coat, and a grafting component which binds to the binding component and adheres to the device. In another embodiment, the coating comprises a blend of an agent, a grafting component, and salt. In one embodiment, the therapeutic agent is superoxide dismutase or a superoxide dismutase mimic. The coating of the invention may be applied to a medical device with a polymeric surface such as a polymeric catheter, or a metal device such as a stent coated with a polymeric primer or without a primer.

LS ANSWER 36 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:332479 USPATFULL  
 TITLE: Cytoprotective biocompatible containment systems for biologically active materials and methods of making same

INVENTOR(S): Soon-Shiong, Patrick, Malibu, CA, United States  
 Desai, Neil, Los Angeles, CA, United States  
 Ron, Nilesh, Culver City, CA, United States  
 Sojomihardjo S., Andrew, West Covina, CA, United States

STATES Heintz, Roswitha, Los Angeles, CA, United States  
 Curcio, Francesco, Westlake Village, CA, United States  
 PATENT ASSIGNEE(S): VivotRx, Inc., Santa Monica, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6495161	B1	20021217
APPLICATION INFO.:	US 1999-264187		19990309 (9)

DOCUMENT TYPE: Utility  
 GRANTED  
 PRIMARY EXAMINER: Jones, Dameron L.  
 LEGAL REPRESENTATIVE: Reiter, Stephen E., Foley & Lardner  
 NUMBER OF CLAIMS: 26  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
 LINE COUNT: 1507

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or components secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.

LS ANSWER 37 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:268428 USPATFULL  
 TITLE: Treating medical conditions by polymerizing macromers to form polymeric materials  
 INVENTOR(S): Hubbell, Jeffrey A., Zumikon, SWITZERLAND  
 Pathak, Chandrashekhar P., Austin, TX, United States  
 Sawhney, Amarpreet, Bedford, MA, United States  
 Desai, Neil, Los Angeles, CA, United States  
 Hossainy, Syed, Edison, NJ, United States  
 Hill-Weat, Jennifer L., Pearland, TX, United States  
 PATENT ASSIGNEE(S): Board of Regents, The University of Texas Systems, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6465001	B1	20021015
APPLICATION INFO.:	US 1998-33871		19980303 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-467693, filed on 6 Jun		

1995, now patented, Pat. No. US 5834274 Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1995-475175, filed on 7 Jun 1995, now patented, Pat. No. US 5846530 Division of Ser. No. US 1994-232054, filed on 28 Apr 1994, now patented, Pat. No. US

5837747  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: GRANTED  
 PRIMARY EXAMINER: Naff, David M.  
 LEGAL REPRESENTATIVE: Holland & Knight LLP  
 NUMBER OF CLAIMS: 17  
 EXEMPLARY CLAIM: 1  
 NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)  
 LINE COUNT: 2121  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, and coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules. A medical condition at a localized site is treated by applying a polymerization initiator and then applying a substantially water-soluble, degradable macromer of at least 200 mw and having at least two crosslinkable substituents, and polymerizing the macromer to form a crosslinked polymeric material at the site. The crosslinked polymeric material may adhere two surfaces together, or be a barrier that provides immunisolation or prevents adhesion of the site to another surface such as post-surgical adhesion. A

LS ANSWER 38 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:75013 USPATFULL  
 TITLE: Method of delivering oxygen to cells by electrolyzing water  
 INVENTOR(S): Colton, Clark K., Newton, MA, United States  
 Swette, Larry L., Newton, MA, United States  
 PATENT ASSIGNEE(S): Massachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6368592	B1	20020409
APPLICATION INFO.:	US 1999-356079		19990716 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-93147P	19980717 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Naff, David M.	
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibault, LLP	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	1271	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oxygen is supplied to cells in vitro or in vivo by generating oxygen with an oxygen generator that electrolyzes water to oxygen and hydrogen.

Oxygen can be generated substantially without generating free hydrogen using a multilayer electrolyzer sheet having a proton exchange membrane sandwiched by an anode layer and a cathode layer. The oxygen generator may be used to supply oxygen to cells contained by a culture plate, a culture flask, a microtiter plate or an extracorporeal circuit, or to cells in an encapsulating chamber for implanting in the body such as an immunisolation chamber bounded by a semipermeable barrier layer that allows selected components to enter and leave the chamber. A bioactive molecule may be present with the cells. Oxygen can be delivered in situ to cells within the body such as by implanting the oxygen generator in proximity to cell-containing microcapsules in an intraperitoneal space, or by implanting a system containing the oxygen generator in proximity to an immunisolation chamber containing cells.

LS ANSWER 39 OF 66 USPATFULL (Continued)  
 biologically active material may be present when the macromer is polymerized to provide for delivery of the biologically active material, or to provide the polymeric material with a desired property such as resistance to bacterial growth or a decrease in inflammatory response.

LS ANSWER 39 OF 66 USPATFULL  
 ACCESSION NUMBER: 2002:57392 USPATFULL  
 TITLE: ICAM-1 derivatives with altered ability to bind LFA-1  
 INVENTOR(S): Springer, Timothy A., Newton, MA, United States  
 Dustin, Michael L., University City, MO, United States  
 Rothlein, Robert, Danbury, CT, United States  
 Marlin, Steven D., Danbury, CT, United States  
 PATENT ASSIGNEE(S): Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6358510	B1	20020319
APPLICATION INFO.:	US 1995-479763		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-186456, filed on 25 Jan 1994, now patented, Pat. No. US 5612216 Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 Continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned Continuation-in-part of Ser. No. US 1989-373882, filed on 30 Jun 1989, now abandoned Continuation-in-part of Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Continuation-in-part of Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Continuation-in-part of Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Gambel, Phillip		
LEGAL REPRESENTATIVE:	Sterne, Kessler Goldstein & Fox P.L.L.C.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	33 Drawing Figure(s); 25 Drawing Page(s)		
LINE COUNT:	4852		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 40 OF 66 USPATFULL  
ACCESSION NUMBER: 2001:214673 USPATFULL  
TITLE: Implantable biocompatible immunoisulatory vehicle for the delivery of selected therapeutic products  
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
Emerich, Dwaine F., Providence, RI, United States  
Hoffman, Diane, Cambridge, MA, United States  
Sanberg, Paul R., Spring Hill, FL, United States  
Christenson, Lisa, New Haven, CT, United States  
Hegre, Orion D., Green Valley, AZ, United States  
Scharp, David W., St. Louis, MO, United States  
Lacy, Paul E., Webster Grove, MO, United States  
Aebischer, Patrick, Lutry, Switzerland  
Vasconcellos, Alfred V., Cranston, RI, United States  
Lysaght, Michael J., E. Greenwich, RI, United States  
Gentile, Frank T., Warwick, RI, United States  
Neurotech S.A., Evry, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6322804	B1	20011127
APPLICATION INFO.:	US 2000-563248		20000502 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-148671, filed on 4 Sep 1998, now patented, Pat. No. US 6083523 Division of Ser. No. US 1995-449837, filed on 24 May 1995, now patented, Pat. No. US 5874099 Division of Ser. No. US 179151, now patented, Pat. No. US 5800828 Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Mintz, Levin, Cohn, Ferris, Glovsky and Pope, P.C., Elrifi, Ivor R., Karnakis, Christina V.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3794		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB An immunoisulatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeable, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual.

L5 ANSWER 42 OF 66 USPATFULL  
ACCESSION NUMBER: 2001:107952 USPATFULL  
TITLE: Gels for encapsulation of biological materials  
INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, United States  
Pathak, Chandrasekhar P., Waltham, MA, United States  
Sawhney, Amarpreet S., Newton, MA, United States  
Desai, Neil P., Los Angeles, CA, United States  
Hossainy, Syed F. A., Austin, TX, United States  
Board of Regents, The University of Texas Systems, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6258870	B1	20010710
APPLICATION INFO.:	US 1997-783387		19970113 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-484160, filed on 7 Jun 1995, now abandoned Division of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Berman, Susan W.		
LEGAL REPRESENTATIVE:	Lyon & Lyon LLP		
NUMBER OF CLAIMS:	58		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	2149		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

L5 ANSWER 41 OF 66 USPATFULL  
ACCESSION NUMBER: 2001:157571 USPATFULL  
TITLE: Local polymeric gel cellular therapy  
INVENTOR(S): Slepian, Marvin J., Tucson, AZ, United States  
Hessia, Stephen P., Tucson, AZ, United States  
Endoluminal Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290729	B1	20010918
APPLICATION INFO.:	US 1997-984614		19971203 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-238931, filed on 6 May 1994, now patented, Pat. No. US 5843156 Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815 Continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned Continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned Continuation of Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Milano, Michael J.		
LEGAL REPRESENTATIVE:	Arnall Golden Gregory LLP		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	23 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	1477		

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

L5 ANSWER 43 OF 66 USPATFULL  
ACCESSION NUMBER: 2000:83864 USPATFULL  
TITLE: Implantable biocompatible immunoisulatory vehicle for delivery of selected therapeutic products  
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
Emerich, Dwaine F., Providence, RI, United States  
Hoffman, Diane, Cambridge, MA, United States  
Sanberg, Paul R., Spring Hill, FL, United States  
Christenson, Lisa, New Haven, CT, United States  
Hegre, Orion D., Green Valley, AZ, United States  
Scharp, David W., St. Louis, MO, United States  
Lacy, Paul E., Webster Grove, MO, United States  
Aebischer, Patrick, Lutry, Switzerland  
Vasconcellos, Alfred V., Cranston, RI, United States  
Lysaght, Michael J., Greenwich, RI, United States  
Gentile, Frank T., Warwick, RI, United States  
Brown University Research Foundation, Providence, RI, United States (U.S. corporation)  
Brown University, Providence, RI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083523		20000704
APPLICATION INFO.:	US 1998-148671		19980904 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-449837, filed on 24 May 1995, now patented, Pat. No. US 5874099 And a continuation-in-part of Ser. No. WO 1992-US3327, filed on 22 Apr 1992 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Mintz, Levin, Cohn, Ferris Glovsky and Popeo, P.C., Elrifi, Ivor R., Prince, John		
NUMBER OF CLAIMS:	40		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3880		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB An immunoisulatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeable, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual.

L5 ANSWER 44 OF 66 USPATFULL  
ACCESSION NUMBER: 1999:166965 USPATFULL  
TITLE: Protein sequences of serrate gene products  
INVENTOR(S): Ish-Horowitz, David, Oxford, United Kingdom  
Henrique, Domingos Manuel Pinto, Oxford, United Kingdom  
Kingdom  
Lewis, Julian Hart, Oxford, United Kingdom  
Myat, Anna Mary, Oxford, United Kingdom  
Fleming, Robert J., Rochester, NY, United States  
Artavanis-Tsakonas, Spyridon, Hamden, CT, United States  
States  
Mann, Robert S., Hamden, CT, United States  
Gray, Grace E., New Haven, CT, United States  
PATENT ASSIGNEE(S): Imperial Cancer Research Technology, Ltd., London, United Kingdom (non-U.S. corporation)  
Yale University, New Haven, CT, United States (U.S. corporation)  
NUMBER KIND DATE  
PATENT INFORMATION: US 6004924 19991221  
APPLICATION INFO.: US 1996-611729 19960306 (8)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1995-400159, filed on 7 Mar 1995 which is a continuation-in-part of Ser. No. US 1994-255102, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1993-121979, filed on 14 Sep 1993, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Carlson, Karen Cochrane  
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP  
NUMBER OF CLAIMS: 75  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 53 Drawing Figure(s); 38 Drawing Page(s)  
LINE COUNT: 6539  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate protein, or any combination of the foregoing. Antibodies to Serrate, its derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods and pharmaceutical compositions are provided. In specific examples, isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.

L5 ANSWER 45 OF 66 USPATFULL  
ACCESSION NUMBER: 1999:16949 USPATFULL  
TITLE: Engineering oral tissues  
INVENTOR(S): Mooney, David J., Ann Arbor, MI, United States  
Rutherford, Robert B., Ann Arbor, MI, United States  
PATENT ASSIGNEE(S): The Regents of the University of Michigan, Ann Arbor, MI, United States (U.S. corporation)  
NUMBER KIND DATE  
PATENT INFORMATION: US 5885829 19990323  
APPLICATION INFO.: US 1997-864494 19970528 (8)  
NUMBER DATE  
PRIORITY INFORMATION: US 1996-18450P 19960528 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Degen, Nancy  
LEGAL REPRESENTATIVE: Arnold, White & Durkee  
NUMBER OF CLAIMS: 109  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 17 Drawing Figure(s); 11 Drawing Page(s)  
LINE COUNT: 8001  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Disclosed are methods for regenerating dental and oral tissues from viable cells using ex vivo culture on a structural matrix. The regenerated oral tissues and tissue-matrix preparations thus provided have both clinical applications in dentistry and oral medicine and are also useful in in vitro toxicity and biocompatibility testing.

L5 ANSWER 46 OF 66 USPATFULL (Continued)  
ACCESSION NUMBER: 1999:24325 USPATFULL  
TITLE: Methods for making immunoisulatory implantable vehicles  
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
Emerich, Dwaine F., Providence, RI, United States  
Hoffman, Diane, Cambridge, MA, United States  
Sanberg, Paul R., Spring Hill, FL, United States  
Christenson, Liss, New Haven, CT, United States  
Hegre, Orion D., Green Valley, AZ, United States  
Scharp, David W., St. Louis, MO, United States  
Lacy, Paul E., Webster Grove, MO, United States  
Aebischer, Patrick, Lutry, Switzerland  
Vasochcellos, Alfred V., Cranston, RI, United States  
Lysaght, Michael J., E. Greenwich, RI, United States  
Gentile, Frank T., Warwick, RI, United States  
PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)  
NUMBER KIND DATE  
PATENT INFORMATION: US 5874099 19990223  
APPLICATION INFO.: US 1995-449837 19950524 (8)  
RELATED APPLN. INFO.: Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Bawa, Raj  
LEGAL REPRESENTATIVE: Elrifi, Ivor R.Mitz, Levin  
NUMBER OF CLAIMS: 28  
EXEMPLARY CLAIM: 3  
NUMBER OF DRAWINGS: 15 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 3879  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB A method of forming an implantable and retrievable immunoisulatory vehicles is disclosed, the method comprising the steps of first forming a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells capable of providing a biologically active product or metabolic or immunologic function, said cells being dispersed in a biocompatible hydrogel or extracellular matrix, and then forming around the core a surrounding external biocompatible thermoplastic or hydrogel jacket free of said cells projecting externally thereof, said jacket having molecular weight cutoff permitting passage of molecules to and from the core through said jacket to provide said biologically active product or function.

L5 ANSWER 47 OF 66 USPATFULL  
 ACCESSION NUMBER: 1999:21753 USPATFULL  
 TITLE: Methods for treatment or prevention of neurodegenerative conditions using immunoisulatory implantable vehicles with a biocompatible jacket and a biocompatible matrix core  
 INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
 Emerich, Dwaine F., Providence, RI, United States  
 Hoffman, Diane, Cambridge, MA, United States  
 Sanberg, Paul R., Spring Hill, FL, United States  
 Christenson, Lisa, New Haven, CT, United States  
 Hegre, Orion D., Green Valley, AZ, United States  
 Scharp, David W., St. Louis, MO, United States  
 Lacy, Paul E., Webster Grove, MO, United States  
 Aebischer, Patrick, Lutry, Switzerland  
 Vasconcellos, Alfred V., Cranston, RI, United States  
 Lysaght, Michael J., E. Greenwich, RI, United States  
 Gentile, Frank T., Warwick, RI, United States  
 PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5871767		19990216
APPLICATION INFO.:	US 1995-449062		19950524 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Ekrufo, Ivor R. Mintz, Levin		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3909		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treatment of a neurodegenerative condition in a patient comprising implanting in the patient at least one immunoisulatory vehicle comprising a core comprising a volume of at least 1 .mu.l and

at least 10.sup.4 living cells which secrete at least one biologically active product, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and an external jacket surrounding the core, the jacket comprising a biocompatible hydrogel or thermoplastic, the jacket being free of cells projecting externally thereof, said jacket having a molecular weight cutoff permitting the passage of the biologically active product from the core through the jacket.

L5 ANSWER 48 OF 66 USPATFULL (Continued)

L5 ANSWER 48 OF 66 USPATFULL  
 ACCESSION NUMBER: 1999:18950 USPATFULL  
 TITLE: Nucleotide and protein sequences of the serrate gene and methods based thereon  
 INVENTOR(S): Ish-Horowicz, David, Oxford, England  
 Henrique, Domingos Manuel Pinto, Oxford, England  
 Lewis, Julian Hart, Oxford, England  
 Myst, Anna Mary, Oxford, England  
 Fleming, Robert J., Rochester, NY, United States  
 Artavanis-Tsakonas, Spyridon, Hamden, CT, United States  
 States  
 Mann, Robert S., Hamden, CT, United States  
 Gray, Grace E., New Haven, CT, United States  
 PATENT ASSIGNEE(S): Imperial Cancer Research Technology, Ltd., London, England (non-U.S. corporation)  
 Yale University, Haven, CT, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5869282		19990209
APPLICATION INFO.:	US 1995-400159		19950307 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-255102, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1993-121979, filed on 14 Sep 1993, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Carlson, Karen Cochrane		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	109		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	51 Drawing Figure(s); 36 Drawing Page(s)		
LINE COUNT:	5411		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate protein, or any combination of the foregoing. Antibodies to Serrate, its derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods and pharmaceutical compositions are provided. In specific examples, isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.

L5 ANSWER 49 OF 66 USPATFULL  
 ACCESSION NUMBER: 1999:18748 USPATFULL  
 TITLE: Methods for treating diabetes by delivering insulin from biocompatible cell-containing devices  
 INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
 Emerich, Dwaine F., Providence, RI, United States  
 Hoffman, Diane, Cambridge, MA, United States  
 Sanberg, Paul R., Spring Hill, FL, United States  
 Christenson, Lisa, New Haven, CT, United States  
 Hegre, Orion D., Green Valley, AZ, United States  
 Scharp, David W., St. Louis, MO, United States  
 Lacy, Paul E., Webster Grove, MO, United States  
 Aebischer, Patrick, Lutry, Switzerland  
 Vasconcellos, Alfred V., Cranston, RI, United States  
 Lysaght, Michael J., Greenwich, RI, United States  
 Gentile, Frank T., Warwick, RI, United States  
 PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5869077		19990209
APPLICATION INFO.:	US 1995-449562		19950524 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Elrifi, Ivor R. Mintz, Levin		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3813		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treating diabetes in a patient comprising subcutaneously implanting in the patient at least one immunoisulatory vehicle comprising a core comprising a volume of at least 1 .mu.l and at least about 10.sup.4 living cells which secrete insulin, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and a surrounding external jacket of a biocompatible thermoplastic or hydrogel free of said cells projecting externally thereof, said jacket being permeable and immunoisulatory, said jacket having a molecular weight cutoff permitting passage of molecules between the patient and core through said jacket wherein the insulin is released from the immunoisulatory vehicle into the patient's body to treat diabetes.



L5 ANSWER 50 OF 66 USPATFULL  
ACCESSION NUMBER: 1999:4407 USPATFULL  
TITLE: Gels for encapsulation of biological materials  
INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States  
Pathak, Chandrashekar P., Waltham, MA, United States  
Sawhney, Anapreet S., Newton, MA, United States  
Desai, Neil P., Los Angeles, CA, United States  
Hill, Jennifer L., Austin, TX, United States  
Hossainy, Syed F. A., Austin, TX, United States  
Board of Regents, The University of Texas System,  
Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5858746		19990112
APPLICATION INFO.:	US 1995-377911		19950125 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Lilling, Herbert J.  
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP  
NUMBER OF CLAIMS: 31  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)  
LINE COUNT: 2333  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

L5 ANSWER 52 OF 66 USPATFULL  
ACCESSION NUMBER: 1998:150186 USPATFULL  
TITLE: Local polymeric gel cellular therapy  
INVENTOR(S): Slepian, Marvin, Tucson, AZ, United States  
Massia, Stephen P., Tucson, AZ, United States  
Endoluminal Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5843156		19981201
APPLICATION INFO.:	US 1994-238931		19940506 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815 which is a continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation		

of Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned which is a continuation-in-part of Ser. No. US 1994-182516, filed on 14 Jan 1994 which is a continuation of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US -235998 which is a continuation-in-part of Ser. No. US 1993-101966, filed on 4 Aug 1993, now patented, Pat. No. US 5328471 which is a continuation of Ser. No. US 1992-869907, filed on 15 Apr 1992, now abandoned which is a continuation of Ser. No. US 1991-759048, filed on 5 Sep 1991, now abandoned which is a continuation of Ser. No. US 1990-485287, filed on 26 Feb 1990, now abandoned

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Brittingham, Debra S.  
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP  
NUMBER OF CLAIMS: 19  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 23 Drawing Figure(s); 7 Drawing Page(s)  
LINE COUNT: 1484  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

L5 ANSWER 51 OF 66 USPATFULL  
ACCESSION NUMBER: 1998:150757 USPATFULL  
TITLE: Gels for encapsulation of biological materials  
INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States  
Pathak, Chandrashekar P., Waltham, MA, United States  
Sawhney, Anapreet S., Newton, MA, United States  
Desai, Neil P., Los Angeles, CA, United States  
Hill, Jennifer L., Austin, TX, United States  
Hossainy, Syed F. A., Austin, TX, United States  
Board of Regents, The University of Texas System,  
Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5843743		19981201
APPLICATION INFO.:	US 1995-467815		19950606 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Naff, David M.  
ASSISTANT EXAMINER: Ware, Deborah K.  
LEGAL REPRESENTATIVE: Arnall, Golden & Golden, LLP  
NUMBER OF CLAIMS: 22  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)  
LINE COUNT: 1829  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

L5 ANSWER 53 OF 66 USPATFULL  
ACCESSION NUMBER: 1998:138717 USPATFULL  
TITLE: Gels for encapsulation of biological materials  
INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States  
Pathak, Chandrashekar P., Waltham, MA, United States  
Sawhney, Anapreet S., Newton, MA, United States  
Desai, Neil P., Los Angeles, CA, United States  
Hill, Jennifer L., Austin, TX, United States  
Hossainy, Syed F. A., Austin, TX, United States  
Board of Regents, The University of Texas System,  
Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5834274		19981110
APPLICATION INFO.:	US 1995-467693		19950606 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Lilling, Herbert J.  
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP  
NUMBER OF CLAIMS: 20  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)  
LINE COUNT: 1821  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

L5 ANSWER 54 OF 66 USPATFULL  
 ACCESSION NUMBER: 1998:138453 USPATFULL  
 TITLE: Methods for making immunoisolatory implantable vehicles  
 matrix with a biocompatible jacket and a biocompatible matrix  
 INVENTOR(S): **core**  
 Dionne, Keith E., Rehoboth, MA, United States  
 Emerich, Dwaine F., Providence, RI, United States  
 Hoffman, Diane, Cambridge, MA, United States  
 Sanberg, Paul R., Spring Hill, FL, United States  
 Christenson, Lisa, New Haven, CT, United States  
 Hegre, Orion D., Green Valley, AZ, United States  
 Sharp, David W., St. Louis, MO, United States  
 Lacy, Paul E., Webster Grove, MO, United States  
 Aebischer, Patrick, Lutry, Switzerland  
 Vasoconcellos, Alfred V., Cranston, RI, United States  
 Lysaght, Michael J., Greenwich, RI, United States  
 Gentile, Frank T., Warwick, RI, United States  
 PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)  

NUMBER	KIND	DATE
US 5834001		19981110
US 1995-449214		19950524 (8)

 APPLICATION INFO.: Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned  
 RELATED APPLN. INFO.: Utility  
 DOCUMENT TYPE: Granted  
 FILE SEGMENT: Bawa, Raj  
 PRIMARY EXAMINER: Ivor Elrifi Mintz, Levin  
 LEGAL REPRESENTATIVE: 25  
 NUMBER OF CLAIMS: 5  
 EXEMPLARY CLAIM: 15 Drawing Figure(s); 9 Drawing Page(s)  
 NUMBER OF DRAWINGS: 3844  
 LINE COUNT: CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB A method of forming an implantable and retrievable immunoisolatory vehicle is disclosed, the method comprising the steps of first forming  
 a jacket of biocompatible thermoplastic or hydrogel, and then loading the jacket with a **core** comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells capable of secreting a biocompatible matrix comprising a hydrogel or extracellular matrix, said jacket having a molecular weight cutoff permitting passage of molecules thereacross to provide said biologically active product or said function.

L5 ANSWER 56 OF 66 USPATFULL  
 ACCESSION NUMBER: 1998:104606 USPATFULL  
 TITLE: Gels for encapsulation of biological materials  
 INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, United States  
 Pathak, Chandrashekhar P., Waltham, MA, United States  
 Sawhney, Amarpreet S., Newton, MA, United States  
 Desai, Neil P., Los Angeles, CA, United States  
 Hossainy, Syed F. A., Austin, TX, United States  
 PATENT ASSIGNEE(S): The Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)  

NUMBER	KIND	DATE
US 5801033		19980901
US 1995-480678		19950607 (8)

 APPLICATION INFO.: Continuation of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned  
 RELATED APPLN. INFO.: Utility  
 DOCUMENT TYPE: Granted  
 FILE SEGMENT: Lilling, Herbert J.  
 PRIMARY EXAMINER: Lyon & Lyon LLP  
 LEGAL REPRESENTATIVE: 21  
 NUMBER OF CLAIMS: 1  
 EXEMPLARY CLAIM: 17 Drawing Figure(s); 12 Drawing Page(s)  
 NUMBER OF DRAWINGS: 2145  
 LINE COUNT: CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

L5 ANSWER 55 OF 66 USPATFULL  
 ACCESSION NUMBER: 1998:135177 USPATFULL  
 TITLE: Soluble fragments of human intercellular adhesion molecule-1  
 INVENTOR(S): Springer, Timothy A., Newton, MA, United States  
 Rothlein, Robert, Danbury, CT, United States  
 Marlin, Steven D., Danbury, CT, United States  
 Dustin, Michael L., University City, MO, United States  
 Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)  

NUMBER	KIND	DATE
US 5831036		19981103
US 1993-140554		19931025 (8)

 APPLICATION INFO.: Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US 1997-115798, filed on 2 Nov 1997, now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on Sep 1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 30 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned  
 RELATED APPLN. INFO.: Utility  
 DOCUMENT TYPE: Granted  
 FILE SEGMENT: Cunningham, Thomas M.  
 PRIMARY EXAMINER: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
 LEGAL REPRESENTATIVE: 4  
 NUMBER OF CLAIMS: 1  
 EXEMPLARY CLAIM: 33 Drawing Figure(s); 25 Drawing Page(s)  
 NUMBER OF DRAWINGS: 5134  
 LINE COUNT: CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 57 OF 66 USPATFULL  
 ACCESSION NUMBER: 1998:104405 USPATFULL  
 TITLE: Methods for coextruding immunoisolatory implantable vehicles with a biocompatible jacket and a biocompatible matrix **core**  
 INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
 Emerich, Dwaine F., Providence, RI, United States  
 Hoffman, Diane, Cambridge, MA, United States  
 Sanberg, Paul R., Spring Hill, FL, United States  
 Christenson, Lisa, New Haven, CT, United States  
 Hegre, Orion D., Green Valley, AZ, United States  
 Sharp, David W., St. Louis, MO, United States  
 Lacy, Paul E., Webster Grove, MO, United States  
 Aebischer, Patrick, Lutry, Switzerland  
 Vasoconcellos, Alfred V., Cranston, RI, United States  
 Lysaght, Michael J., E. Greenwich, RI, United States  
 Gentile, Frank T., Warwick, RI, United States  
 PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)  

NUMBER	KIND	DATE
US 5800829		19980901
US 1995-449274		19950524 (8)

 APPLICATION INFO.: Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-693403, filed on 25 Apr 1991, now abandoned  
 RELATED APPLN. INFO.: Utility  
 DOCUMENT TYPE: Granted  
 FILE SEGMENT: Bawa, Raj  
 PRIMARY EXAMINER: Elrifi, Ivor R. Mintz, Levin  
 LEGAL REPRESENTATIVE: 27  
 NUMBER OF CLAIMS: 6  
 EXEMPLARY CLAIM: 15 Drawing Figure(s); 9 Drawing Page(s)  
 NUMBER OF DRAWINGS: 3898  
 LINE COUNT: CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB A method of making an immunoisolatory vehicle comprised of a **core** comprising living cells dispersed in a biocompatible matrix is disclosed, the cells being capable of secreting a biologically active product or of providing a metabolic or immunologic function to an individual, and an external jacket surrounding said **core** which is a biocompatible, permeable thermoplastic or hydrogel, said jacket being free of said cells, comprising coextruding a suspension comprising said cells dispersed in a precursor matrix material comprising extracellular matrix components or a biocompatible hydrogel precursor, and a solution of a biocompatible jacket precursor from a nested dual-bore extrusion nozzle, wherein the suspension of (a) is coextruded from the inner bore and the solution of (b) is coextruded from the outer bore of the nozzle, to form said jacket as the solution of (b) and the suspension of (a) are coextruded; and exposing the vehicle to a treatment that forms a **core** comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells and comprising a biocompatible matrix from the precursor matrix of solution (a).

L5 ANSWER 58 OF 66 USPATFULL  
ACCESSION NUMBER: 1998:104404 USPATFULL  
TITLE: Implantable biocompatible immunoisulatory vehicle for delivery of selected therapeutic products  
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
Emerich, Dwaine F., Providence, RI, United States  
Hoffman, Diane, Cambridge, MA, United States  
Sanberg, Paul R., Spring Hill, FL, United States  
Christenson, Lisa, New Haven, CT, United States  
Hegre, Orion D., Green Valley, AZ, United States  
Scharp, David W., St. Louis, MO, United States  
Lacy, Paul E., Webster Grove, MO, United States  
Aebischer, Patrick, Lutry, Switzerland  
Vasconcellos, Alfred V., Cranston, RI, United States  
Lysaght, Michael J., E. Greenwich, RI, United States  
Gentile, Frank T., Warwick, RI, United States  
PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5800828		19980901
APPLICATION INFO.:	US 1994-179151		19940110 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Elrif, Ivor R. Mintz, Levin		
NUMBER OF CLAIMS:	43		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3914		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Immuoisulatory vehicles having a **core** and a surrounding jacket are disclosed, the **core** having a volume in excess of 1 .mu.l and at least about 10.sup.4 living cells capable of secreting a biologically active product or of providing a biological function to a patient, the cells dispersed in a biocompatible matrix formed of a hydrogel or an extracellular matrix component, and the external jacket being permeable, biocompatible and having a molecular weight cutoff permitting passage of molecules between the patient and the **core** through said jacket to provide said biological product or function.

L5 ANSWER 60 OF 66 USPATFULL  
ACCESSION NUMBER: 97:22659 USPATFULL  
TITLE: Nucleotide sequence encoding intercellular adhesion molecule-1 and fragments thereof  
INVENTOR(S): Springer, Timothy A., Newton, MA, United States  
Rothlein, Robert, Danbury, CT, United States  
Marlin, Steven D., Danbury, CT, United States  
Dustin, Michael L., University City, MO, United States  
PATENT ASSIGNEE(S): Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5612216		19970318
APPLICATION INFO.:	US 1994-186456		19940125 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 And a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 30 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cunningham, Thomas M.		
LEGAL REPRESENTATIVE:	Sterne, Kessler, Goldstein & Fox P.L.L.C.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	33 Drawing Figure(s); 25 Drawing Page(s)		
LINE COUNT:	5205		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 59 OF 66 USPATFULL  
ACCESSION NUMBER: 1998:101409 USPATFULL  
TITLE: Implantable biocompatible immunoisulatory vehicle for delivery of selected therapeutic products  
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States  
Emerich, Dwaine F., Providence, RI, United States  
Hoffman, Diane, Cambridge, MA, United States  
Sanberg, Paul R., Spring Hill, FL, United States  
Christenson, Lisa, New Haven, CT, United States  
Hegre, Orion D., Green Valley, AZ, United States  
Scharp, David W., St. Louis, MO, United States  
Lacy, Paul E., Webster Grove, MO, United States  
Aebischer, Patrick, Lutry, Switzerland  
Vasconcellos, Alfred V., Cranston, RI, United States  
Lysaght, Michael J., E. Greenwich, RI, United States  
Gentile, Frank T., Warwick, RI, United States  
PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5798113		19980825
APPLICATION INFO.:	US 1995-449524		19950524 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Elrif, Ivor R., Levin, Mintz		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3901		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of providing a biologically active molecule or metabolic or immunologic function to a patient, comprising implanting into the body of the patient at least one immunoisulatory vehicle comprising a **core** comprising a volume in excess of 1 .mu.l and at least about 10.sup.4 living cells dispersed in a biocompatible matrix formed of a hydrogel or extracellular matrix components, said cells being capable of secreting a biologically active product or of providing a metabolic or immunologic function to the patient; and an external jacket surrounding said **core**, said jacket being formed from a thermoplastic or hydrogel, said jacket being free of said cells projecting externally therefrom, said jacket being biocompatible and having a molecular weight cutoff permitting passage of molecules between the patient and the **core** through said jacket to provide said biologically active product of function.

L5 ANSWER 61 OF 66 USPATFULL  
ACCESSION NUMBER: 96:105992 USPATFULL  
TITLE: Local polymeric gel therapy  
INVENTOR(S): Slepian, Marvin, Tucson, AZ, United States  
Maessia, Stephen P., Tucson, AZ, United States  
PATENT ASSIGNEE(S): Endoluminal Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5575815		19961119
APPLICATION INFO.:	US 1993-132745		19931006 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation of Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Brittingham, Debra S.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	22 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	1204		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a less fluent state in situ; controlled permeability and degradability; and, in some embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen.

15 ANSWER 62 OF 66 USPATFULL  
 ACCESSION NUMBER: 96:103898 USPATFULL  
 TITLE: Gels for encapsulation of biological materials  
 INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States  
 Pathak, Chandrashekhar P., Waltham, MA, United States  
 Sawhney, Amarpreet S., Newton, MA, United States  
 Desai, Neil P., Los Angeles, CA, United States  
 Hill-West, Jennifer L., Austin, TX, United States  
 Mossaiby, Syed F. A., Austin, TX, United States  
 Board of Regents, The University of Texas System,  
 Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5573934		19961112
APPLICATION INFO.:	US 1993-24657		19930301 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	20 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	2186		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

15 ANSWER 64 OF 66 USPATFULL  
 ACCESSION NUMBER: 96:55671 USPATFULL  
 TITLE: Gels for encapsulation of biological materials  
 INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, United States  
 Pathak, Chandrashekhar P., Austin, TX, United States  
 Sawhney, Amarpreet S., Newton, MA, United States  
 Desai, Neil P., Los Angeles, CA, United States  
 Mossaiby, Syed F. A., Austin, TX, United States  
 The Board of Regents the University of Texas System,  
 Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5529914		19960625
APPLICATION INFO.:	US 1992-958870		19921007 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992 Ser. No. Ser. No. US 1990-598880, filed on 15 Oct 1990, now abandoned And Ser. No. US 1991-740703, filed on 5 Aug 1991, now patented, Pat. No. US 5380536 which is a division of Ser. No. US 1991-740632, filed on 5 Aug 1991, now patented, Pat. No. US 5232984, said Ser. No. US 870540 which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
LEGAL REPRESENTATIVE:	Lyon & Lyon		
NUMBER OF CLAIMS:	69		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	2252		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

15 ANSWER 63 OF 66 USPATFULL  
 ACCESSION NUMBER: 96:77705 USPATFULL  
 TITLE: Method for implanting encapsulated cells in a host  
 INVENTOR(S): Holland, Laura M., Providence, RI, United States  
 Hammang, Joseph P., Barrington, RI, United States  
 Rudnick, Seth A., Barrington, RI, United States  
 Lyasgait, Michael J., E. Greenwich, RI, United States  
 Dionne, Keith E., Rehoboth, MA, United States  
 CytoTherapeutics, Inc., Providence, RI, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5550050		19960827
APPLICATION INFO.:	US 1994-228403		19940415 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rollins, John W.		
LEGAL REPRESENTATIVE:	Fish & Neave, Elrifi, Ivor R., Ruskin, Barbara A.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	21 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1632		

AB This invention provides methods for implanting encapsulated cells in a host comprising exposing cells to restrictive conditions for a sufficient period of time to establish a desired cell property in response to the restrictive conditions and implanting the encapsulated cells in a host, the cell property being substantially maintained following implantation. Also provided are cells produced by exposure to restrictive conditions.

15 ANSWER 65 OF 66 USPATFULL  
 ACCESSION NUMBER: 95:110539 USPATFULL  
 TITLE: R6-5-D6, an antibody which binds intercellular adhesion molecule-1  
 INVENTOR(S): Springer, Timothy A., Newtown, MA, United States  
 Rothlein, Robert, Danbury, CT, United States  
 Marlin, Steven D., Danbury, CT, United States  
 Dustin, Michael L., University City, MD, United States  
 The Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5475091		19951212
APPLICATION INFO.:	US 1994-186457		19940125 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned And a continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 19 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Chan, Christina Y.		
LEGAL REPRESENTATIVE:	Sterne, Kessler, Goldstein & Fox		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1,2		
NUMBER OF DRAWINGS:	33 Drawing Figure(s); 25 Drawing Page(s)		
LINE COUNT:	5026		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 66 OF 66 USPATFULL  
ACCESSION NUMBER: 94:11498 USPATFULL  
TITLE: Intercellular adhesion molecules, and their binding  
ligands  
INVENTOR(S): Springer, Timothy A., Newton, MA, United States  
Rothlein, Robert, Danbury, CT, United States  
Marlin, Steven D., Danbury, CT, United States  
Dustin, Michael L., University City, MO, United States  
PATENT ASSIGNEE(S): Dana Farber Cancer Institute, Boston, MA, United  
States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5284931		19940208
APPLICATION INFO.:	US 1990-515478		19900427 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989 which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987 which is a continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987 which is a continuation-in-part of Ser. No. US 1988-155943, filed on 16 Feb 1988 which is a continuation-in-part of Ser. No. US 1988-189815, filed on 3 May 1988 which is a continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988 which is a continuation-in-part of Ser. No. US 1989-324481, filed on 16 Mar 1989 which is a continuation-in-part of Ser. No. US 1989-373882, filed on 30 Jun 1989 which is a continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nucker, Christine M.		
ASSISTANT EXAMINER:	Cunningham, Thomas		
LEGAL REPRESENTATIVE:	Sterne, Keseler, Goldstein & Fox		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	26 Drawing Figure(s); 25 Drawing Page(s)		
LINE COUNT:	4753		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Pharmaceutical compositions comprising antibodies to intercellular  
adhesion molecule-1 (ICAM-1 or CD54) are useful in methods of  
decreasing  
the severity of inflammation associated with the adhesion of leukocytes  
to cells bearing ICAM-1. Treatment with anti-ICAM-1 antibodies reduced  
the severity of inflammation associated with acute organ or tissue  
rejection and prolonged allograft survival time. Such compositions may  
optionally contain other immunosuppressive agents.